

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074430.D
 Acq On : 13 Sep 2022 00:59
 Operator : JC\MD
 Sample : N4471-05DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-083122

Quant Time: Sep 13 06:55:39 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)

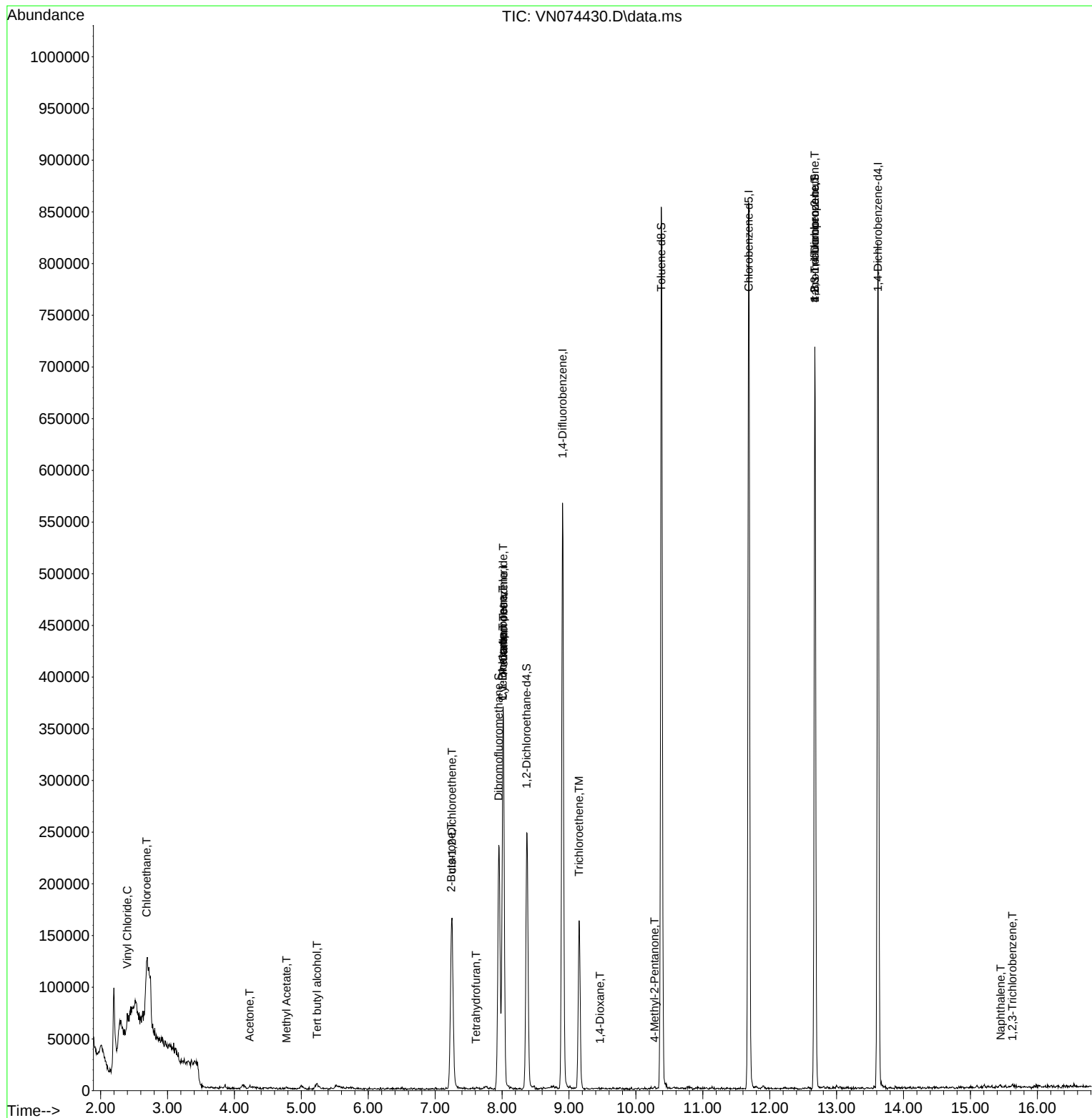
Internal Standards						
1) Pentafluorobenzene	8.022	168	258509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	456084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	441477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	191437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	198317	44.341	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.680%
35) Dibromofluoromethane	7.951	113	161232	52.365	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.720%
50) Toluene-d8	10.380	98	537003	44.760	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.520%
62) 4-Bromofluorobenzene	12.674	95	207562	47.652	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.275	50	1760	Below Cal		89
4) Vinyl Chloride	2.399	62	6919	1.236	ug/l #	54
6) Chloroethane	2.687	64	36628	6.837	ug/l #	51
11) Tert butyl alcohol	5.234	59	4458	3.811	ug/l #	71
16) Acetone	4.228	43	1055	0.437	ug/l #	40
18) Methyl Acetate	4.781	43	1435	0.202	ug/l #	63
20) Methylene Chloride	5.010	84	2269	Below Cal	#	70
25) 2-Butanone	7.239	43	954	0.235	ug/l #	71
27) cis-1,2-Dichloroethene	7.251	96	80458	18.085	ug/l	89
29) Tetrahydrofuran	7.610	42	595	0.222	ug/l #	69
31) Cyclohexane	8.010	56	9090	1.278	ug/l #	50
36) 1,1-Dichloropropene	8.010	75	24781	4.885	ug/l #	51
38) Carbon Tetrachloride	8.016	117	29008	5.539	ug/l #	11
44) Trichloroethene	9.151	130	52156	14.980	ug/l	86
49) 1,4-Dioxane	9.463	88	54	0.483	ug/l #	1
51) 4-Methyl-2-Pentanone	10.280	43	1806	0.229	ug/l #	57
74) N-amyl acetate	12.339	43	175	Below Cal	#	45
76) 1,2,3-Trichloropropane	12.674	75	128424	25.662	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	128424	57.199	ug/l #	9
95) Naphthalene	15.451	128	2996	0.200	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.627	180	1140	0.288	ug/l #	47

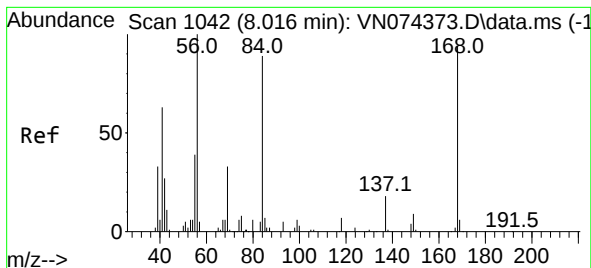
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VN074430.D

Acq: 13 Sep 2022 00:59

Instrument :

MSVOA_N

ClientSampleId :

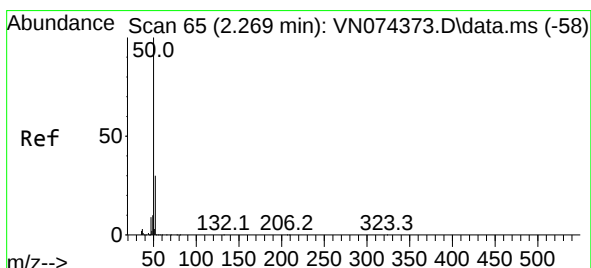
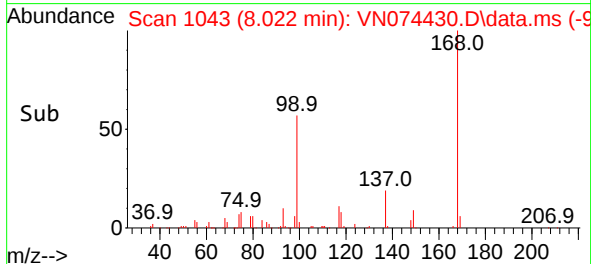
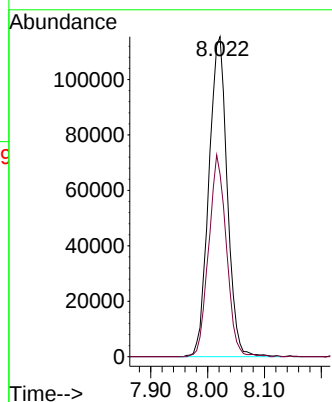
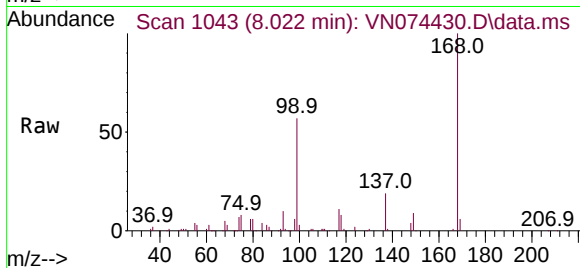
EB01-083122

Tgt Ion:168 Resp: 258509

Ion Ratio Lower Upper

168 100

99 57.0 52.8 79.2



#3

Chloromethane

Concen: Below Cal

RT: 2.275 min Scan# 66

Delta R.T. 0.006 min

Lab File: VN074430.D

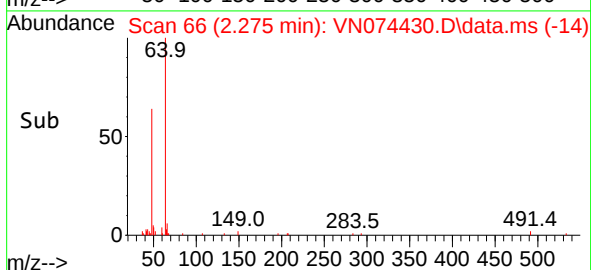
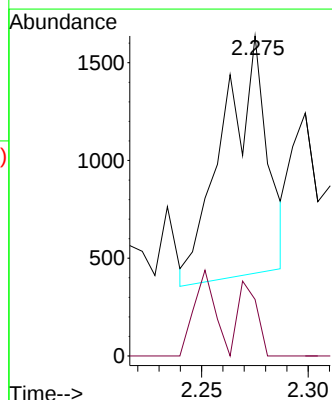
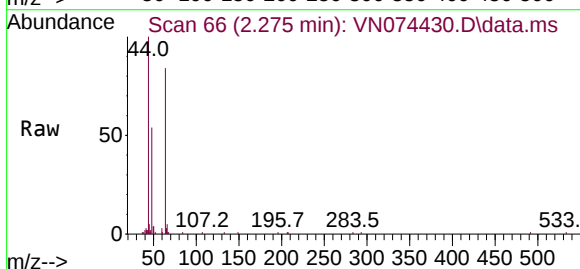
Acq: 13 Sep 2022 00:59

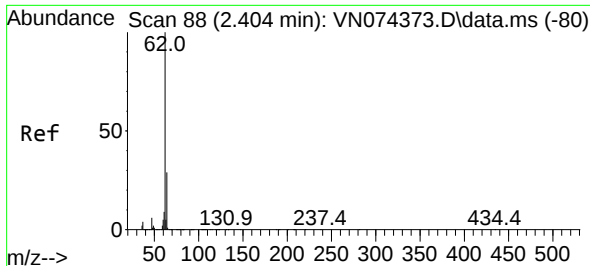
Tgt Ion: 50 Resp: 1760

Ion Ratio Lower Upper

50 100

52 24.3 24.1 36.1

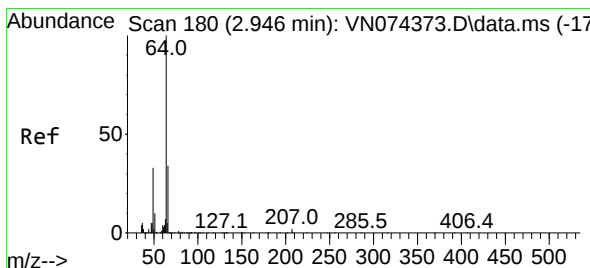
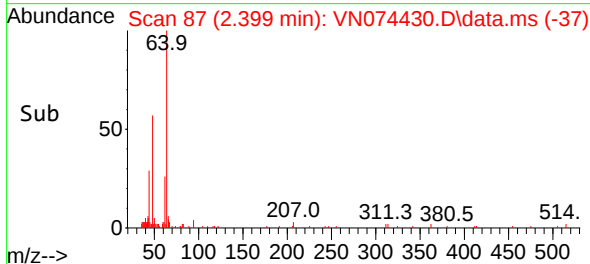
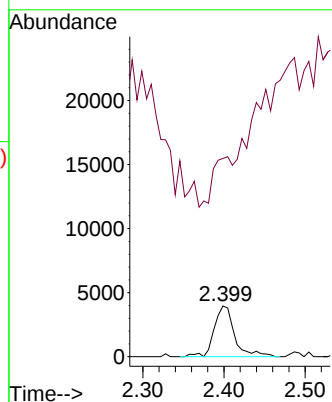
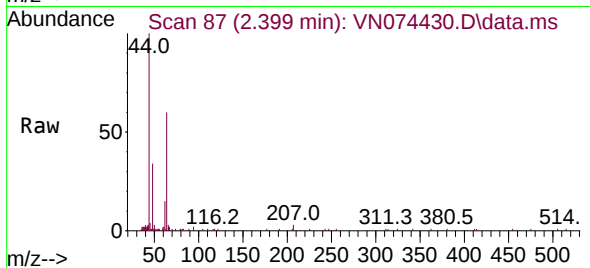




#4
Vinyl Chloride
Concen: 1.236 ug/l
RT: 2.399 min Scan# 81
Delta R.T. -0.006 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

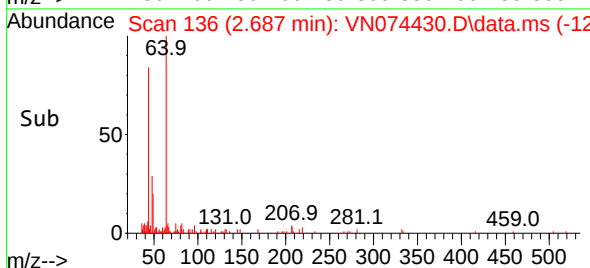
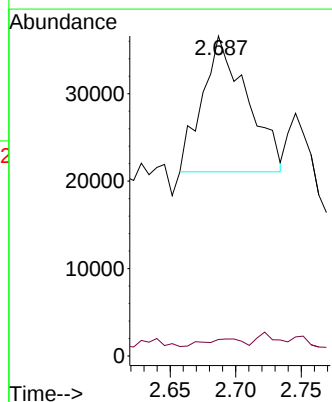
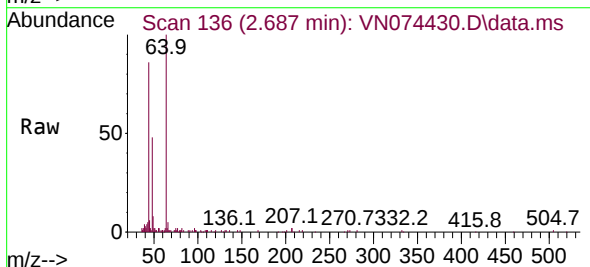
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

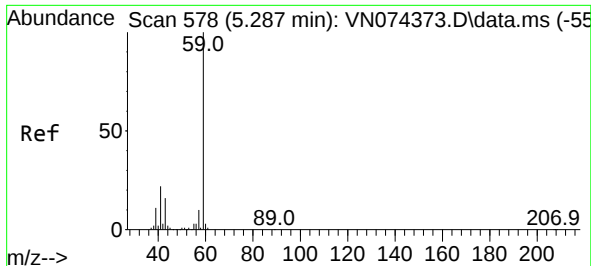
Tgt Ion: 62 Resp: 6919
Ion Ratio Lower Upper
62 100
64 4.8 23.5 35.3#



#6
Chloroethane
Concen: 6.837 ug/l
RT: 2.687 min Scan# 136
Delta R.T. -0.259 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

Tgt Ion: 64 Resp: 36628
Ion Ratio Lower Upper
64 100
66 5.1 26.5 39.7#





#11

Tert butyl alcohol

Concen: 3.811 ug/l

RT: 5.234 min Scan# 5

Delta R.T. -0.053 min

Lab File: VN074430.D

Acq: 13 Sep 2022 00:59

Instrument :

MSVOA_N

ClientSampleId :

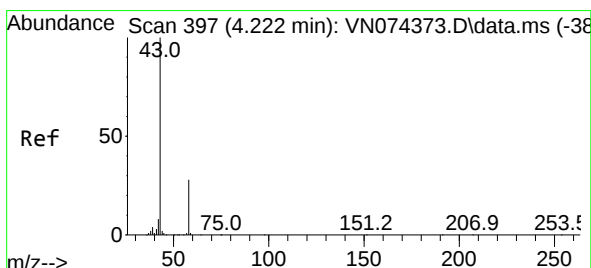
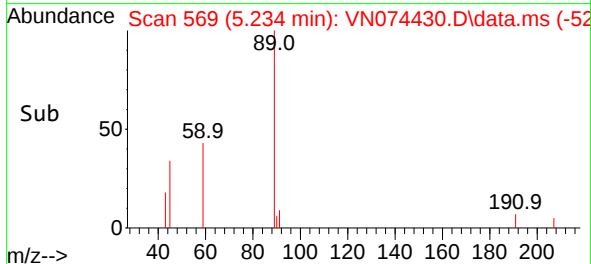
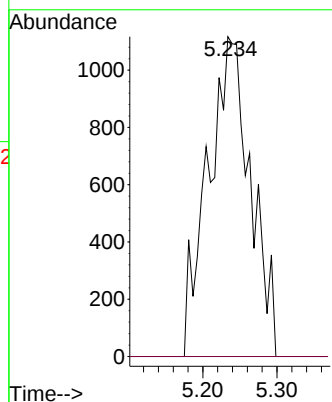
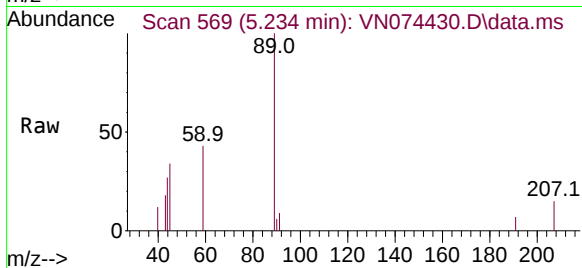
EB01-083122

Tgt Ion: 59 Resp: 4458

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#16

Acetone

Concen: 0.437 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN074430.D

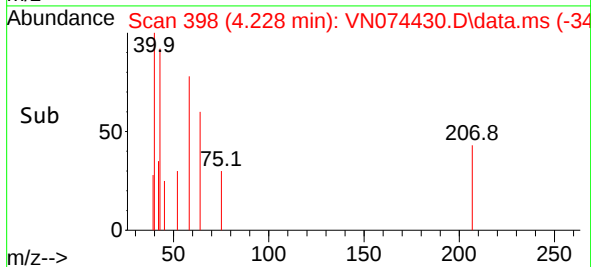
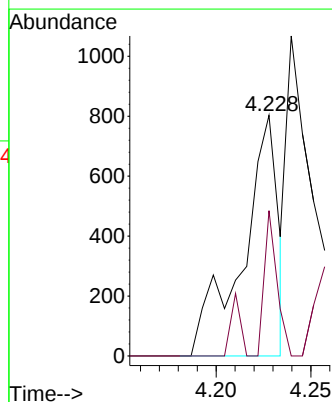
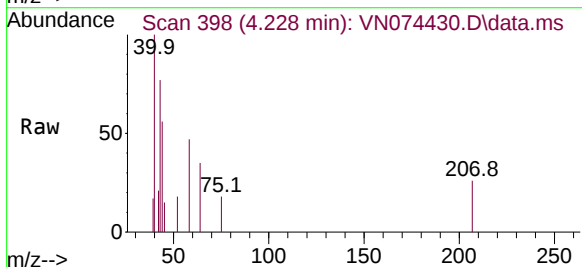
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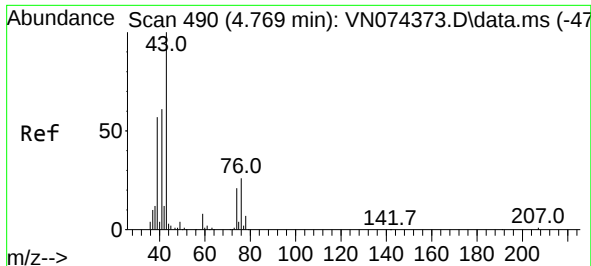
Tgt Ion: 43 Resp: 1055

Ion Ratio Lower Upper

43 100

58 60.4 22.7 34.1#

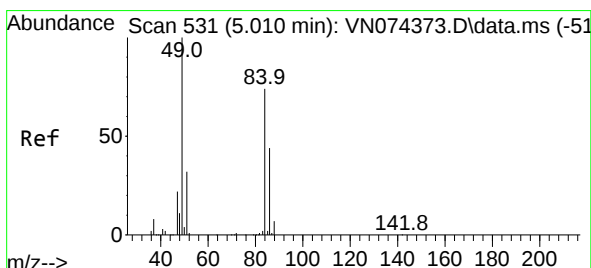
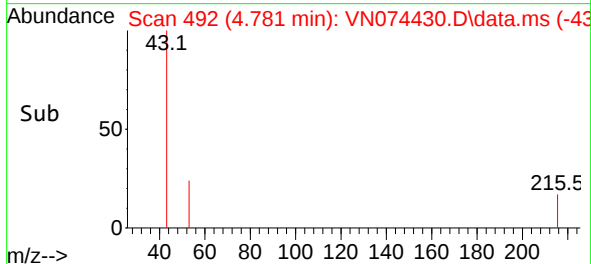
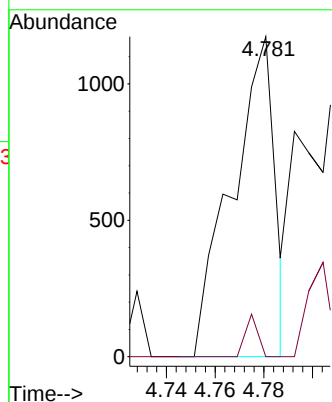
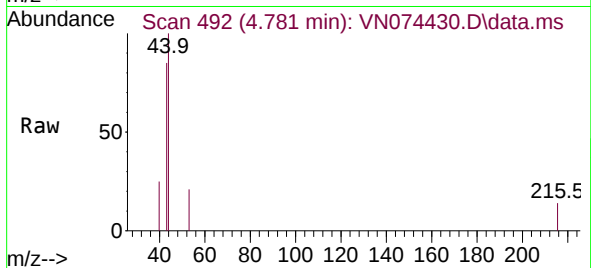




#18
Methyl Acetate
Concen: 0.202 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

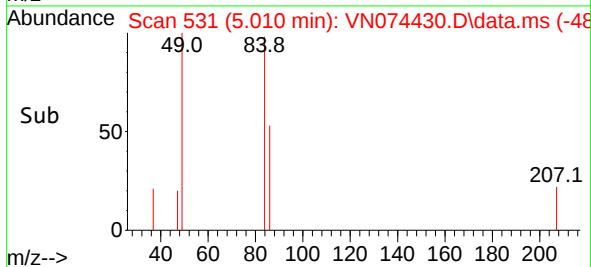
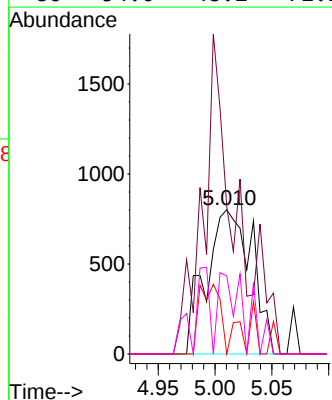
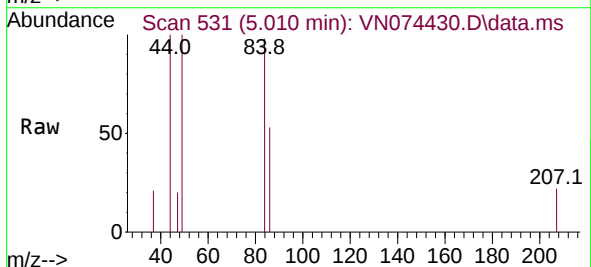
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

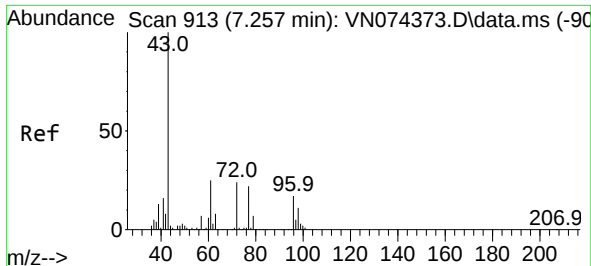
Tgt Ion: 43 Resp: 1435
Ion Ratio Lower Upper
43 100
74 3.8 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

Tgt Ion: 84 Resp: 2269
Ion Ratio Lower Upper
84 100
49 102.1 108.2 162.4#
51 0.0 34.3 51.5#
86 54.0 48.2 72.2

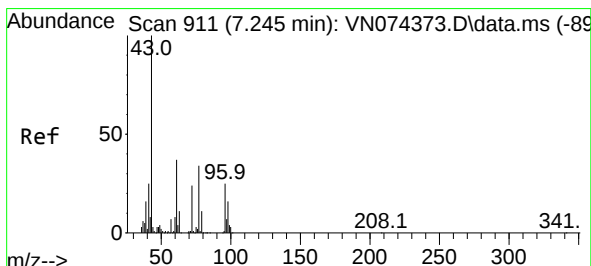
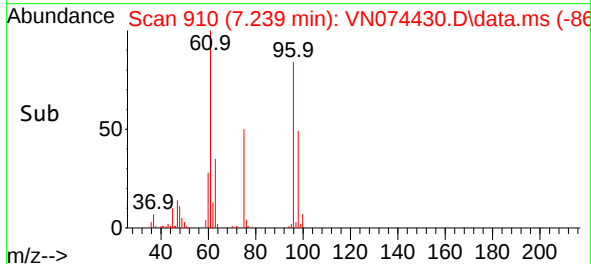
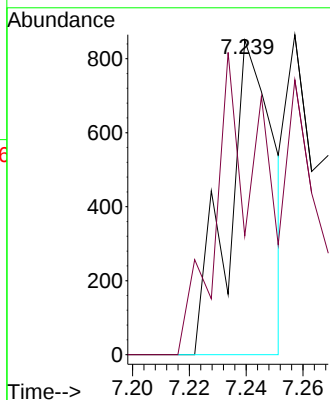
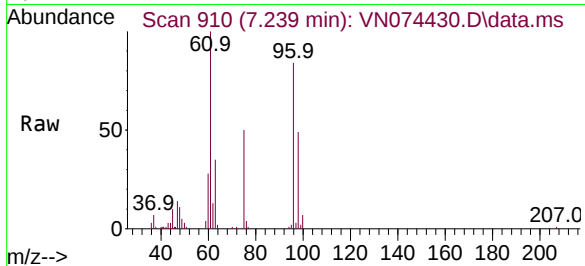




#25
2-Butanone
Concen: 0.235 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.018 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

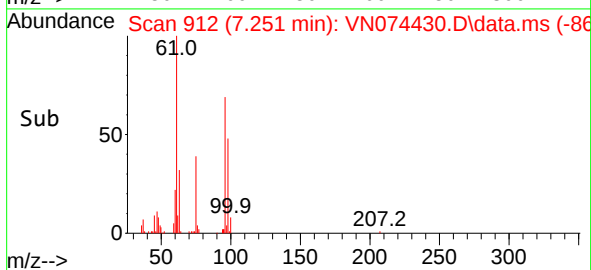
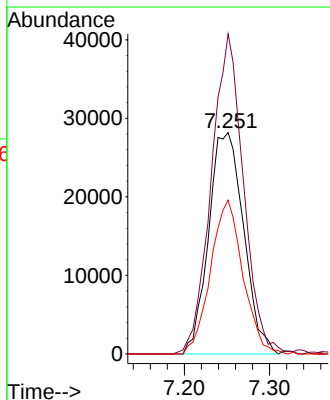
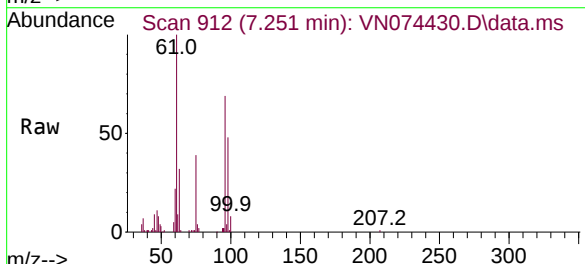
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MSVOA_N
ClientSampleId :
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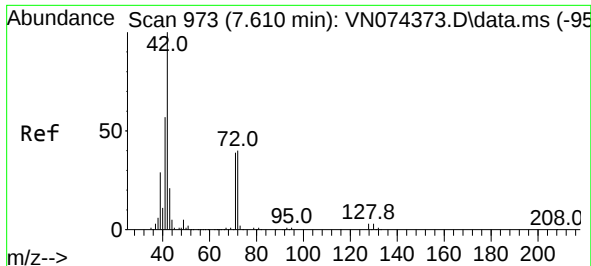
Tgt Ion: 43 Resp: 954
Ion Ratio Lower Upper
43 100
72 37.8 18.9 28.3#



#27
cis-1,2-Dichloroethene
Concen: 18.085 ug/l
RT: 7.251 min Scan# 912
Delta R.T. 0.006 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

Tgt Ion: 96 Resp: 80458
Ion Ratio Lower Upper
96 100
61 133.1 0.0 306.2
98 64.1 0.0 129.8





#29

Tetrahydrofuran

Concen: 0.222 ug/l

RT: 7.610 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN074430.D

Acq: 13 Sep 2022 00:59

Instrument :

MSVOA_N

ClientSampleId :

EB01-083122

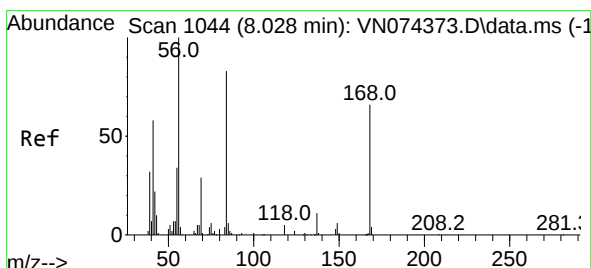
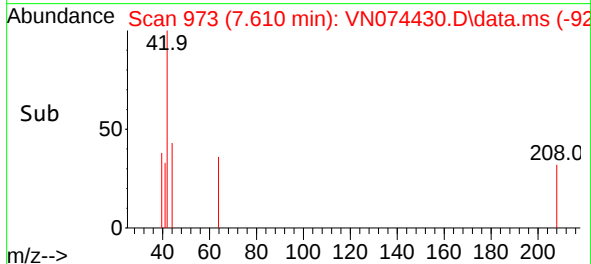
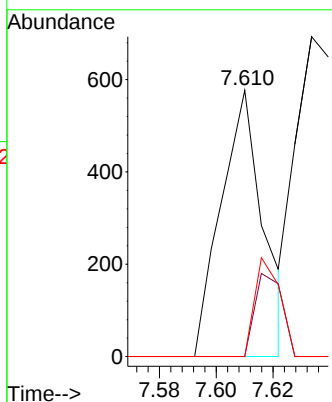
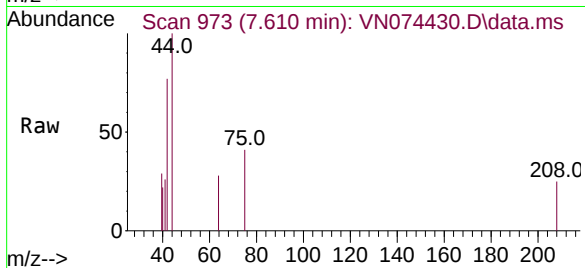
Tgt Ion: 42 Resp: 595

Ion Ratio Lower Upper

42 100

72 20.0 32.7 49.1#

71 22.0 31.0 46.6#



#31

Cyclohexane

Concen: 1.278 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.018 min

Lab File: VN074430.D

Acq: 13 Sep 2022 00:59

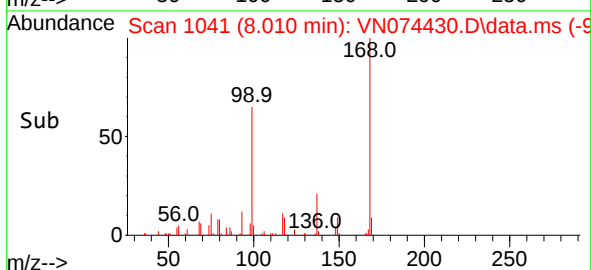
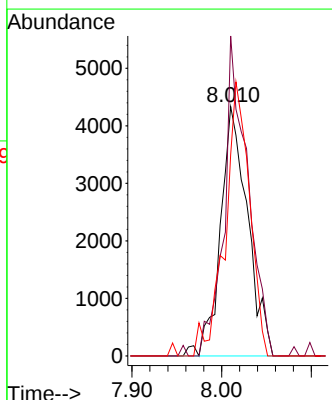
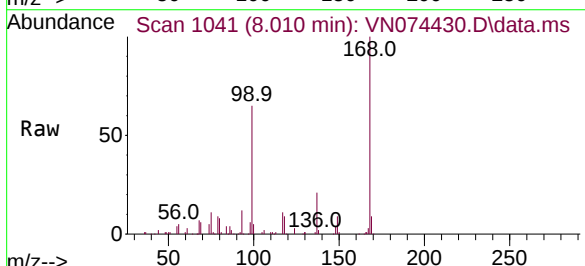
Tgt Ion: 56 Resp: 9090

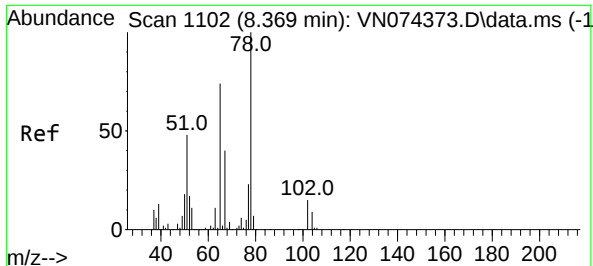
Ion Ratio Lower Upper

56 100

69 128.4 23.0 34.4#

84 80.8 66.3 99.5





#33

1,2-Dichloroethane-d4

Concen: 44.341 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074430.D

Acq: 13 Sep 2022 00:59

Instrument :

MSVOA_N

ClientSampleId :

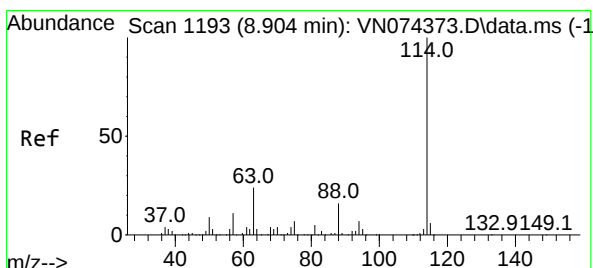
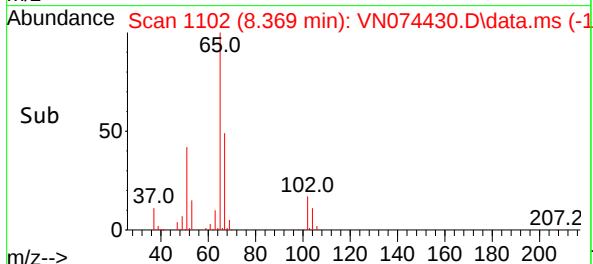
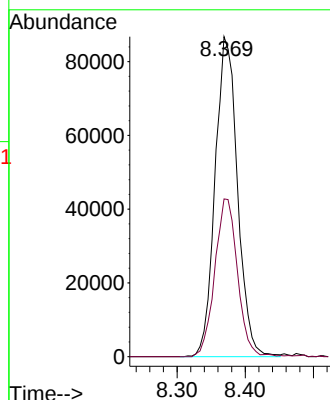
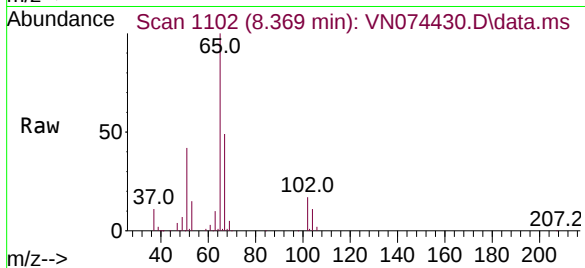
EB01-083122

Tgt Ion: 65 Resp: 198317

Ion Ratio Lower Upper

65 100

67 50.1 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: VN074430.D

Acq: 13 Sep 2022 00:59

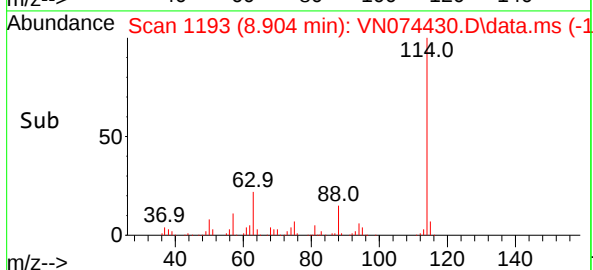
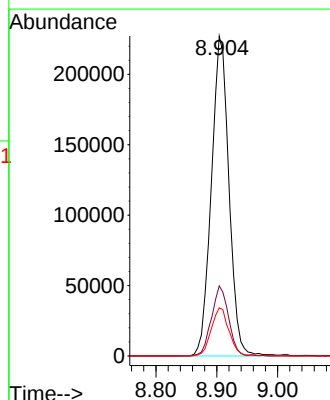
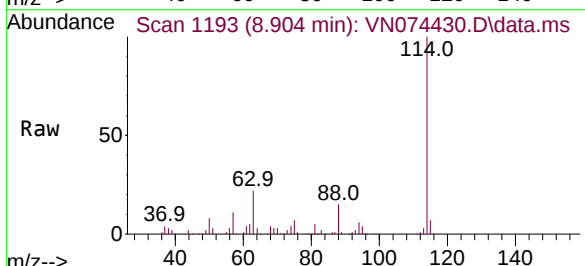
Tgt Ion: 114 Resp: 456084

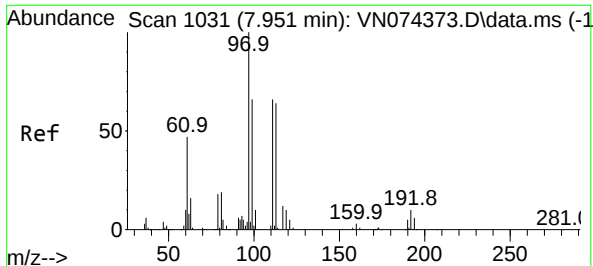
Ion Ratio Lower Upper

114 100

63 21.9 0.0 47.6

88 15.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.365 ug/l

RT: 7.951 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VN074430.D

Acq: 13 Sep 2022 00:59

Instrument :

MSVOA_N

ClientSampleId :

EB01-083122

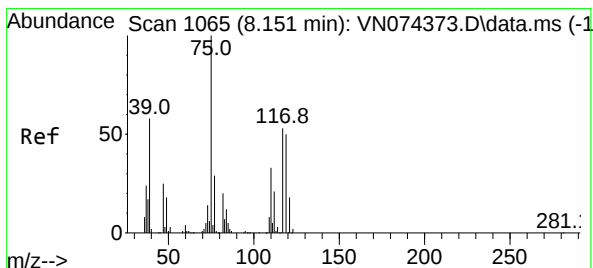
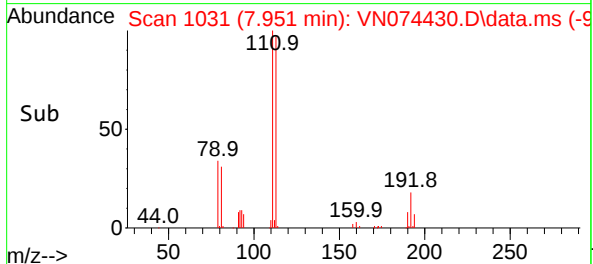
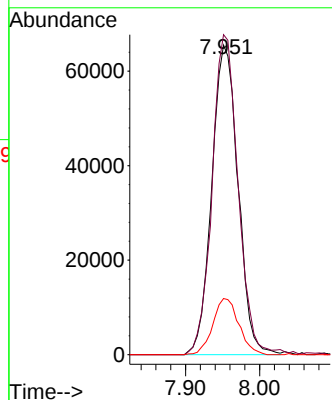
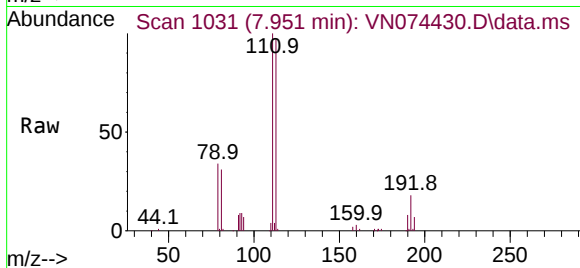
Tgt Ion:113 Resp: 161232

Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

192 18.0 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.885 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN074430.D

Acq: 13 Sep 2022 00:59

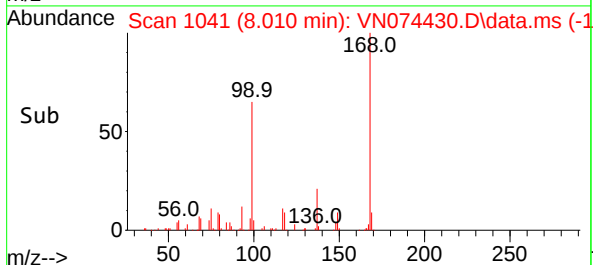
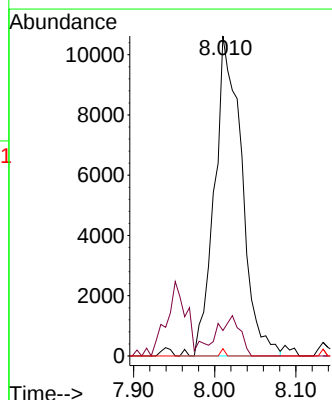
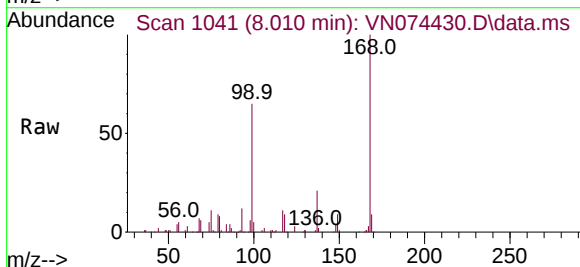
Tgt Ion: 75 Resp: 24781

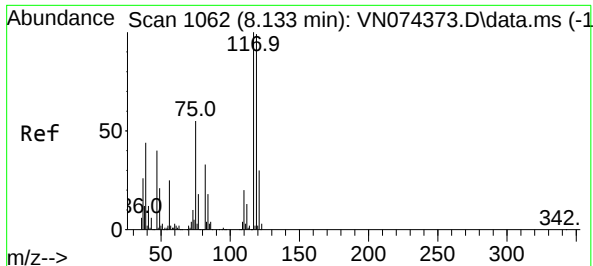
Ion Ratio Lower Upper

75 100

110 9.7 16.4 49.1#

77 0.3 25.4 38.2#

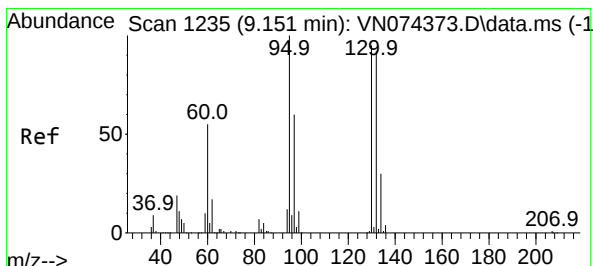
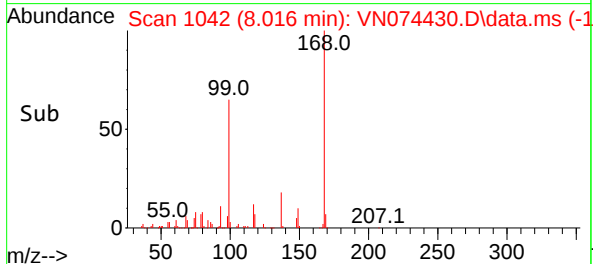
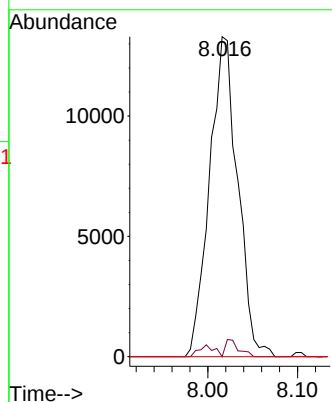
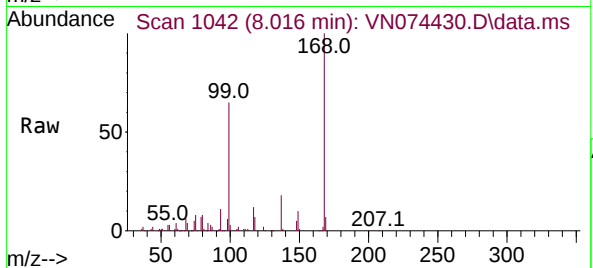




#38
Carbon Tetrachloride
Concen: 5.539 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

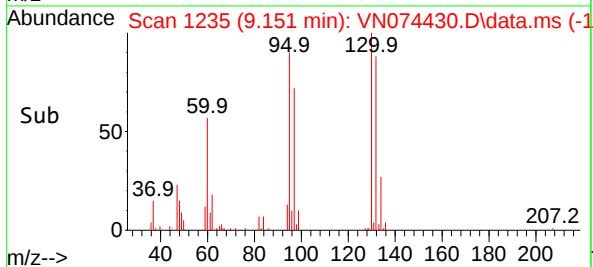
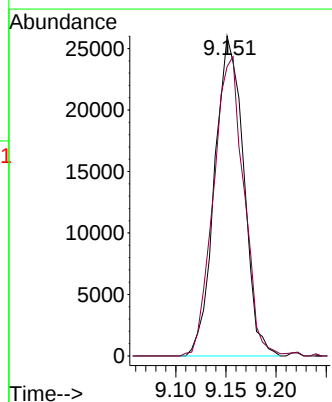
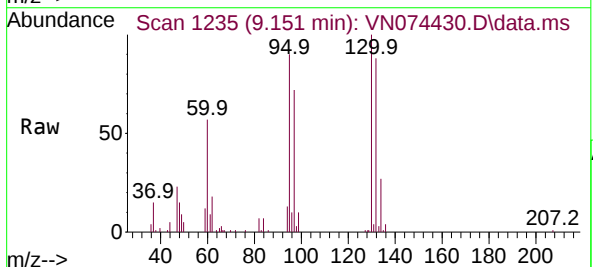
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

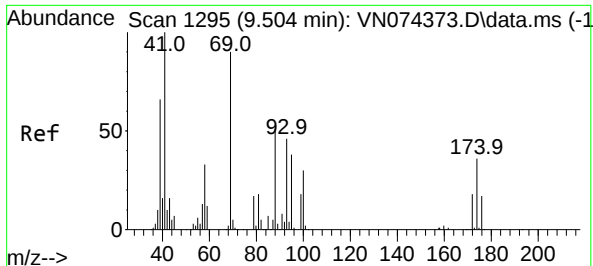
Tgt Ion:117 Resp: 29008
Ion Ratio Lower Upper
117 100
119 0.0 78.8 118.2#
121 0.0 24.1 36.1#



#44
Trichloroethene
Concen: 14.980 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

Tgt Ion:130 Resp: 52156
Ion Ratio Lower Upper
130 100
95 90.4 0.0 210.0

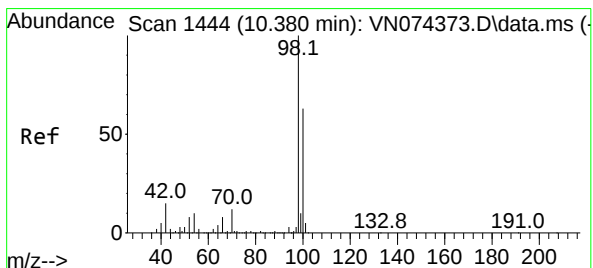
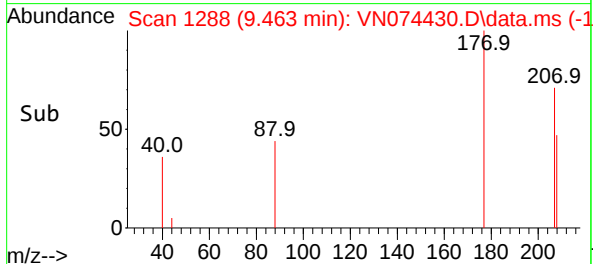
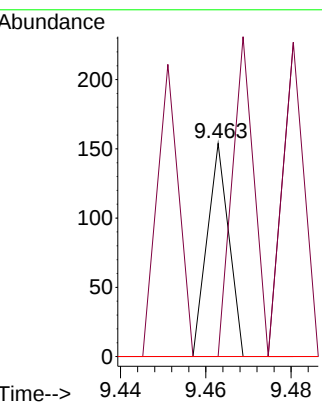
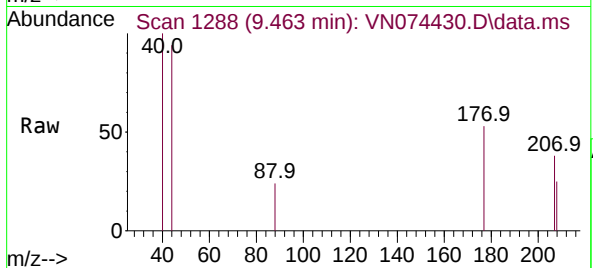




#49
1,4-Dioxane
Concen: 0.483 ug/l
RT: 9.463 min Scan# 1288
Delta R.T. -0.041 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

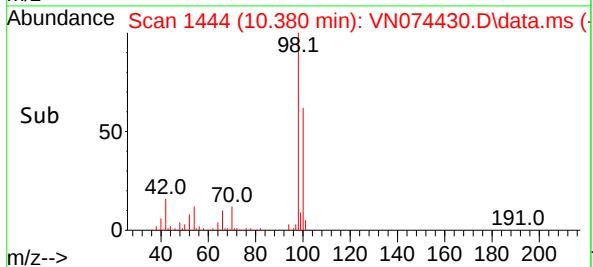
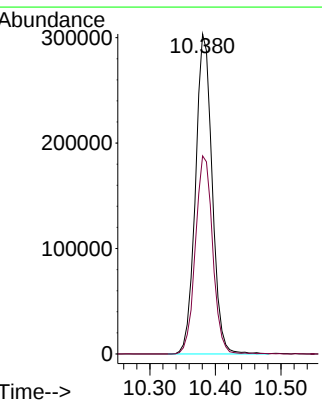
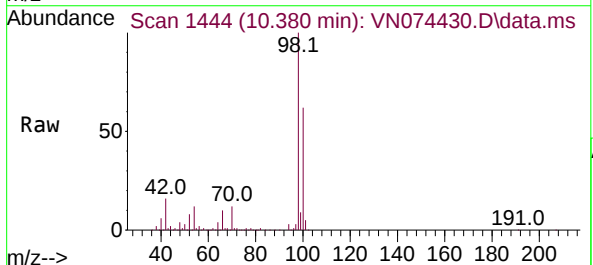
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

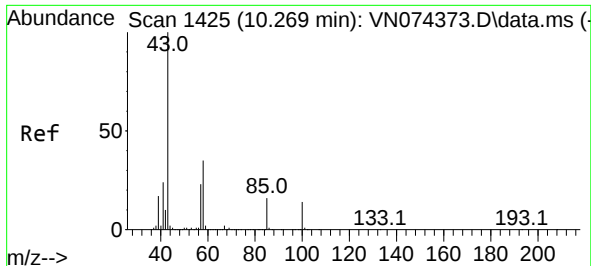
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 150.0 26.9 40.3#
58 0.0 52.7 79.1#



#50
Toluene-d8
Concen: 44.760 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

Tgt Ion: 98 Resp: 537003
Ion Ratio Lower Upper
98 100
100 63.9 50.6 76.0

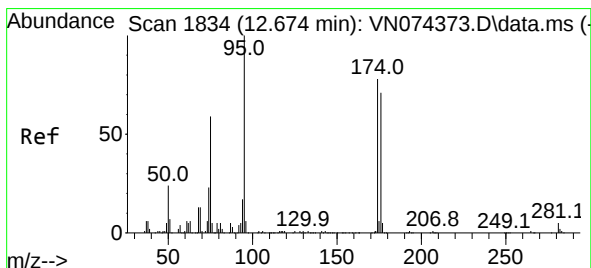
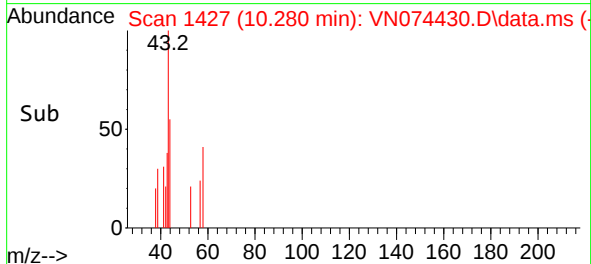
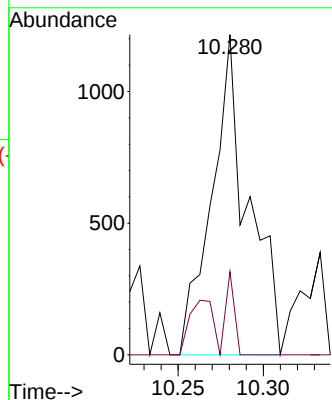
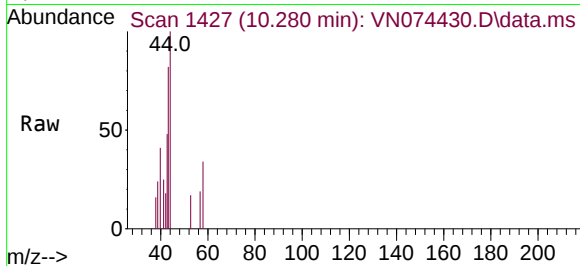




#51
4-Methyl-2-Pentanone
Concen: 0.229 ug/l
RT: 10.280 min Scan# 1427
Delta R.T. 0.012 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

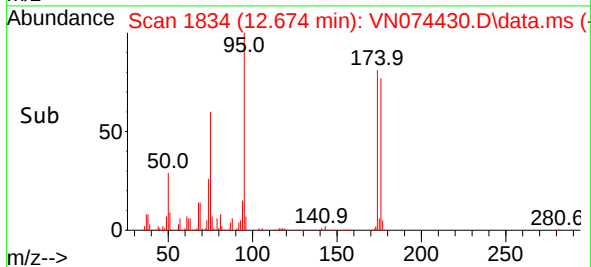
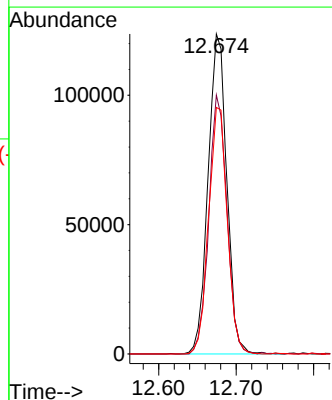
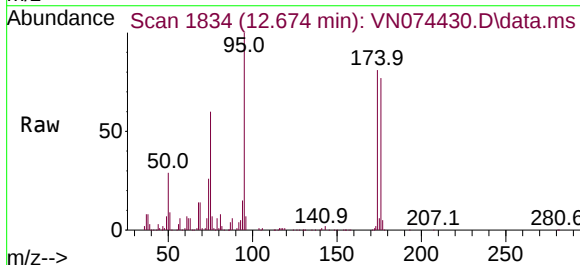
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

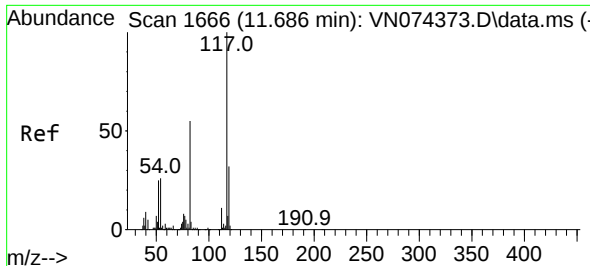
Tgt Ion: 43 Resp: 1806
Ion Ratio Lower Upper
43 100
58 11.0 29.0 43.6#



#62
4-Bromofluorobenzene
Concen: 47.652 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

Tgt Ion: 95 Resp: 207562
Ion Ratio Lower Upper
95 100
174 78.1 0.0 150.6
176 76.9 0.0 143.4

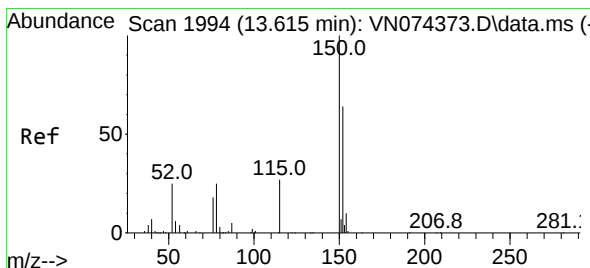
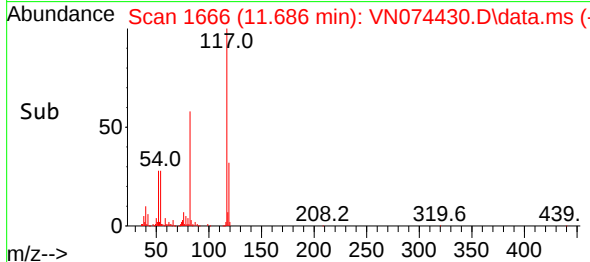
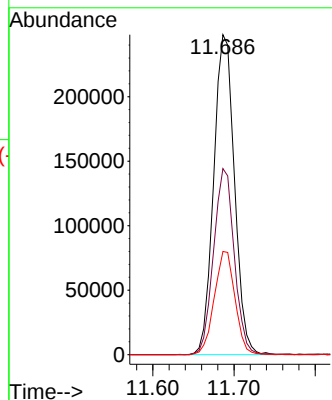
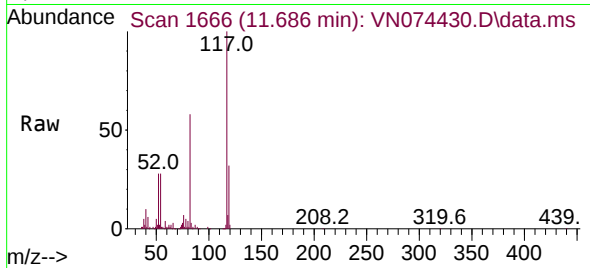




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

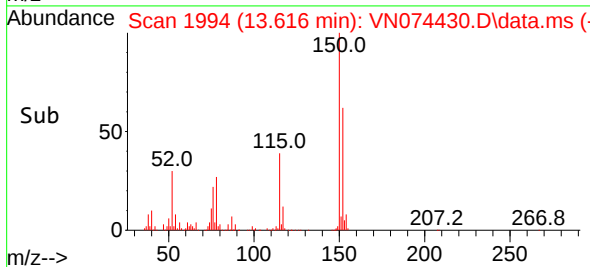
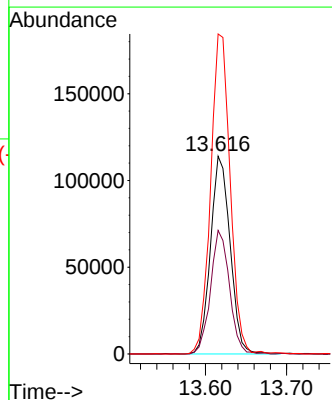
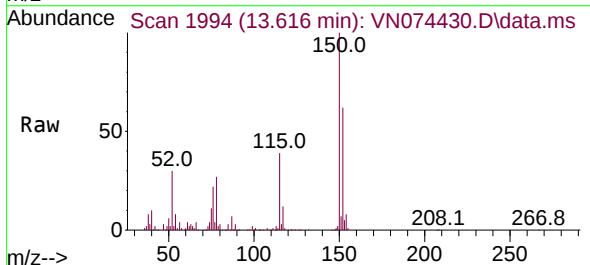
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

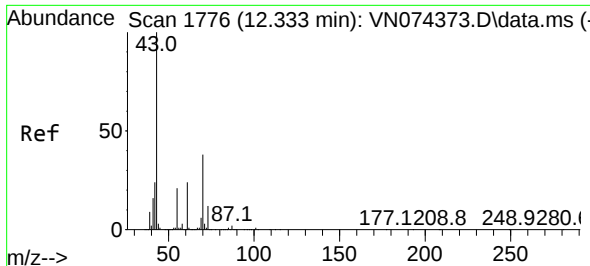
Tgt Ion:117 Resp: 441477
Ion Ratio Lower Upper
117 100
82 58.1 44.3 66.5
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

Tgt Ion:152 Resp: 191437
Ion Ratio Lower Upper
152 100
115 60.2 32.0 96.0
150 160.7 0.0 359.6

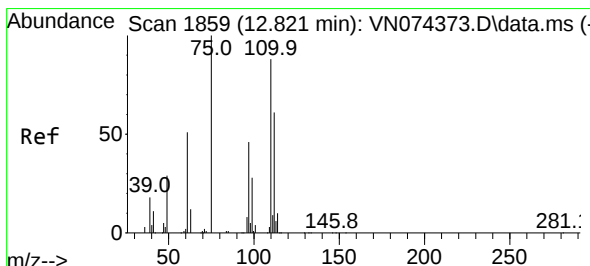
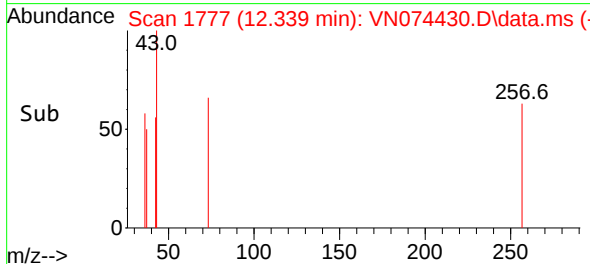
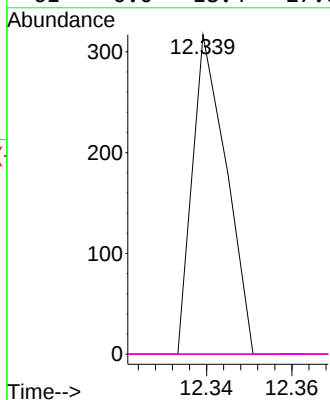
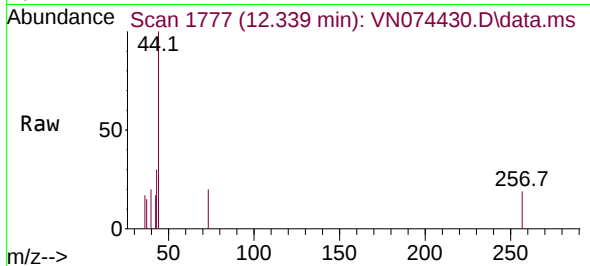




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.339 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

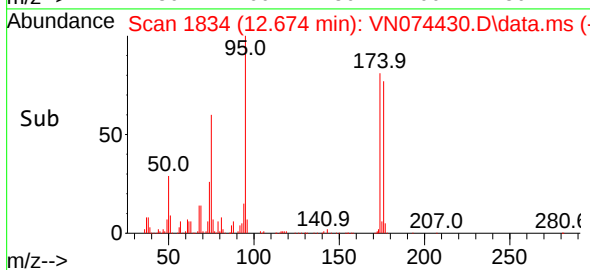
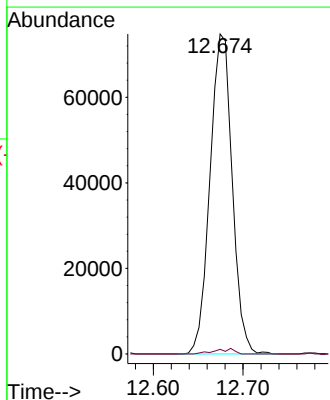
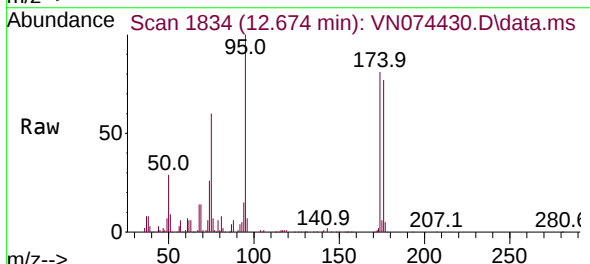
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

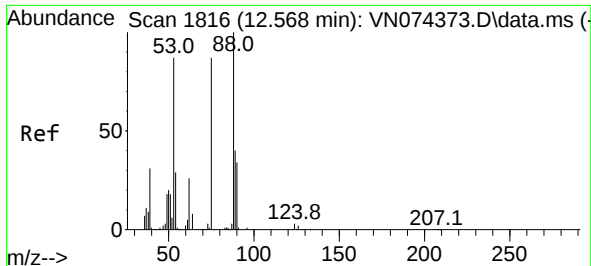
Tgt Ion: 43	Resp: 175
Ion Ratio	Lower Upper
43 100	
70 0.0	31.4 47.0#
55 0.0	17.0 25.6#
61 0.0	18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 25.662 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

Tgt Ion: 75	Resp: 128424
Ion Ratio	Lower Upper
75 100	
77 1.5	78.9 236.7#

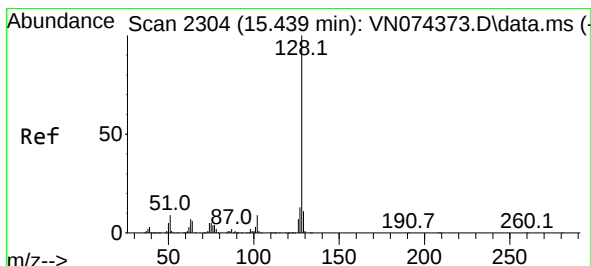
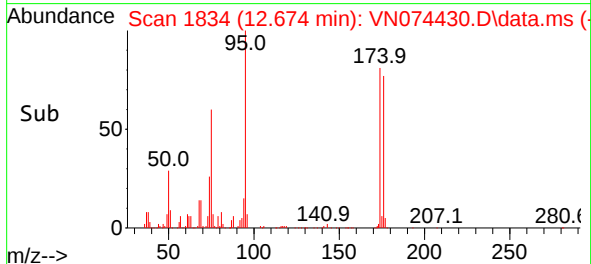
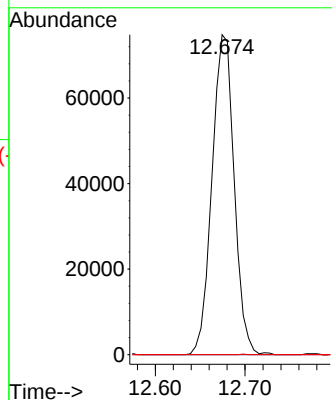
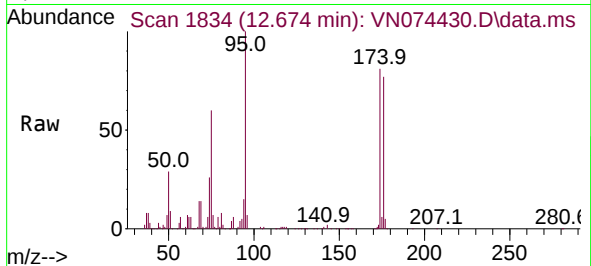




#81
trans-1,4-Dichloro-2-butene
Concen: 57.199 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

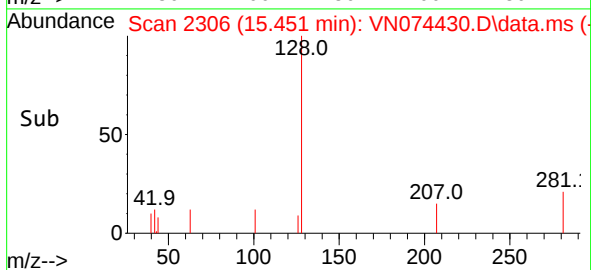
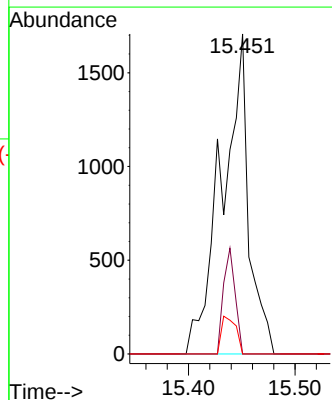
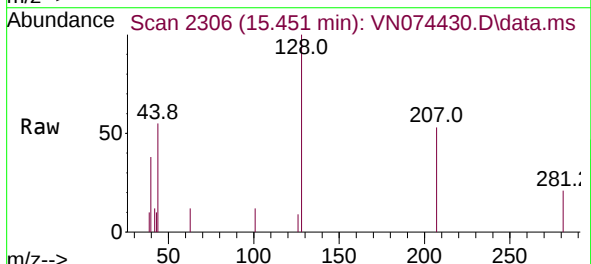
Instrument :
MSVOA_N
ClientSampleId :
EB01-083122

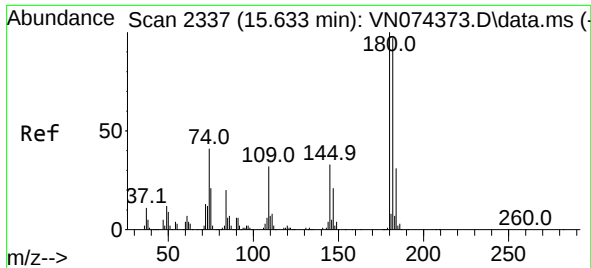
Tgt Ion: 75 Resp: 128424
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.0 37.7 56.5#



#95
Naphthalene
Concen: 0.200 ug/l
RT: 15.451 min Scan# 2306
Delta R.T. 0.012 min
Lab File: VN074430.D
Acq: 13 Sep 2022 00:59

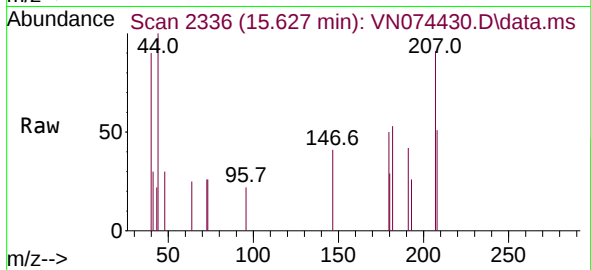
Tgt Ion:128 Resp: 2996
Ion Ratio Lower Upper
128 100
127 14.3 10.6 16.0
129 6.3 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.288 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN074430.D
 Acq: 13 Sep 2022 00:59

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-083122



Tgt Ion:	180	Resp:	1140
Ion	Ratio	Lower	Upper
180	100		
182	43.4	47.6	142.8#
145	4.8	17.3	52.0#

