

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
 Data File : VN074473.D
 Acq On : 15 Sep 2022 20:00
 Operator : JC\MD
 Sample : N4553-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 256074-2

Quant Time: Sep 16 01:46:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

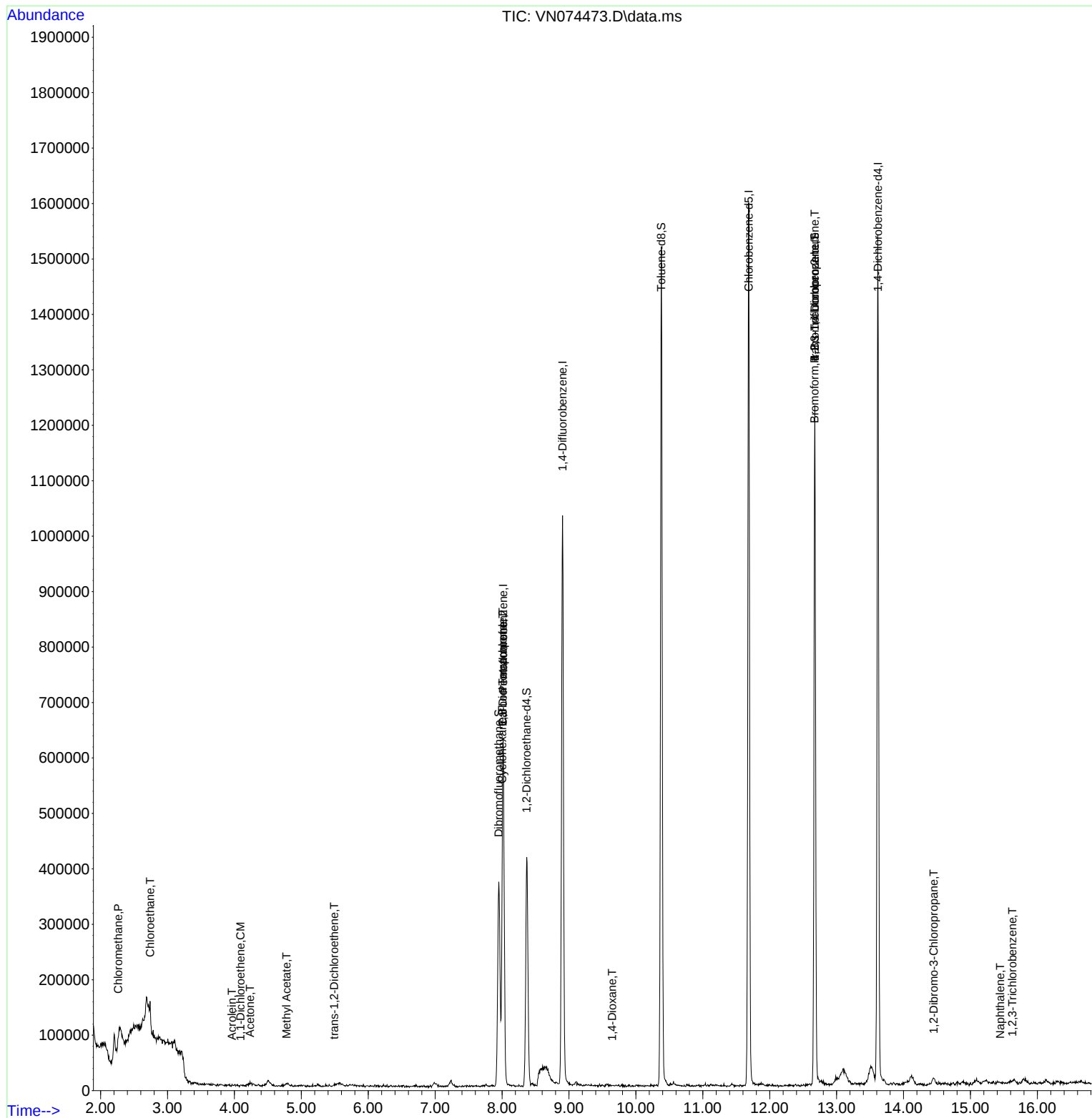
Internal Standards						
1) Pentafluorobenzene	8.016	168	444710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	855941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	834549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	365634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	319112	42.291	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.580%
35) Dibromofluoromethane	7.951	113	268757	47.268	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.540%
50) Toluene-d8	10.380	98	980722	44.600	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.200%
62) 4-Bromofluorobenzene	12.674	95	384048	50.994	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.980%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1806	0.479	ug/l #	79
6) Chloroethane	2.740	64	8588	1.443	ug/l #	42
12) 1,1-Dichloroethene	4.092	96	855	0.828	ug/l #	6
13) Acrolein	3.963	56	1086	1.210	ug/l #	39
16) Acetone	4.234	43	4499	0.932	ug/l #	62
18) Methyl Acetate	4.781	43	11639	0.776	ug/l #	60
21) trans-1,2-Dichloroethene	5.492	96	336	0.481	ug/l #	15
28) Bromochloromethane	7.310	49	76	Below Cal	#	8
31) Cyclohexane	8.004	56	15004	1.120	ug/l #	62
36) 1,1-Dichloropropene	8.010	75	42543	4.227	ug/l #	48
38) Carbon Tetrachloride	8.010	117	48849	5.257	ug/l #	16
49) 1,4-Dioxane	9.645	88	88	0.424	ug/l #	25
71) Bromoform	12.668	173	1828	0.327	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	232731	20.679	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	232731	44.632	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.451	75	831	0.251	ug/l	69
95) Naphthalene	15.445	128	1162	1.625	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.627	180	157	1.357	ug/l #	28

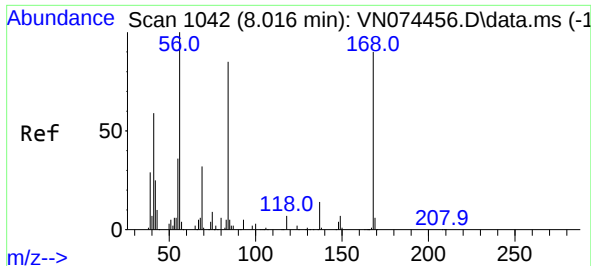
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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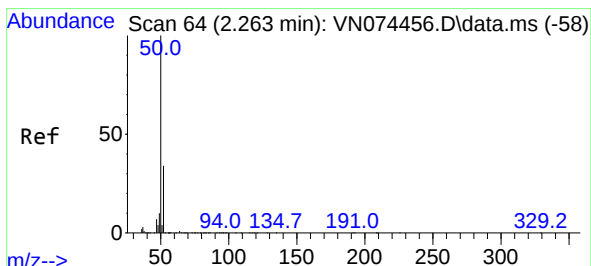
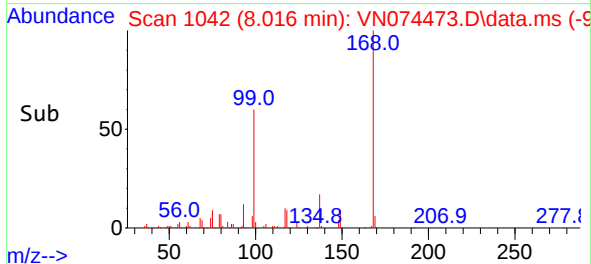
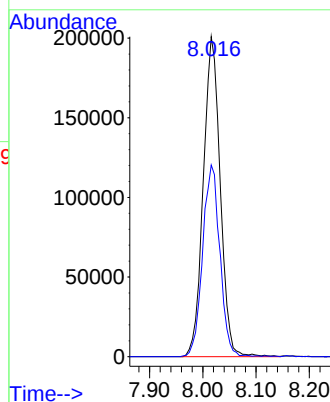
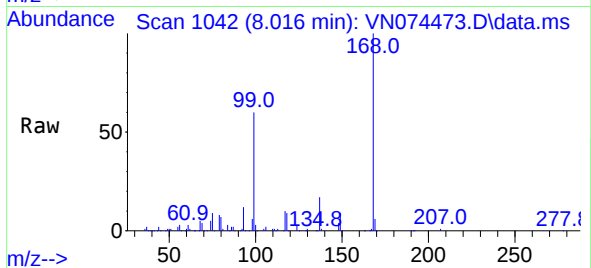




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

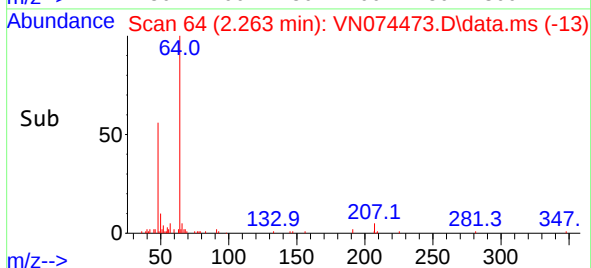
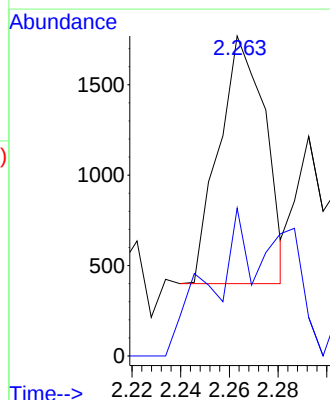
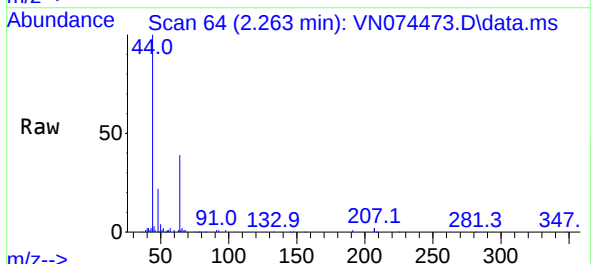
Instrument :
MSVOA_N
ClientSampleId :
256074-2

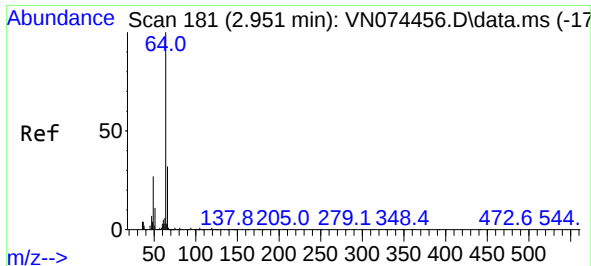
Tgt Ion:168 Resp: 444710
Ion Ratio Lower Upper
168 100
99 59.9 42.3 63.5



#3
Chloromethane
Concen: 0.479 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

Tgt Ion: 50 Resp: 1806
Ion Ratio Lower Upper
50 100
52 43.8 25.7 38.5#

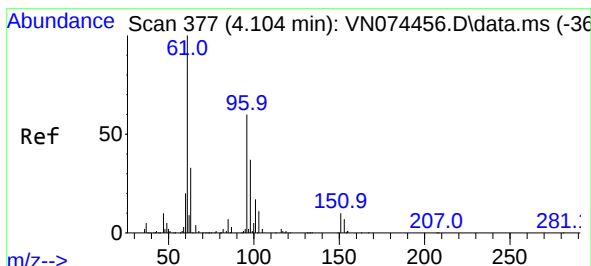
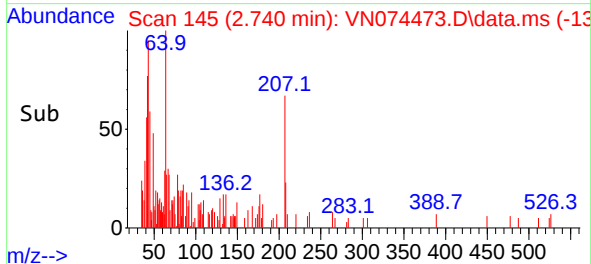
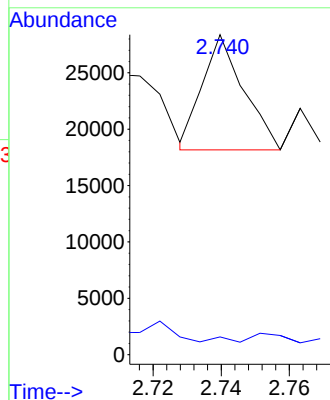
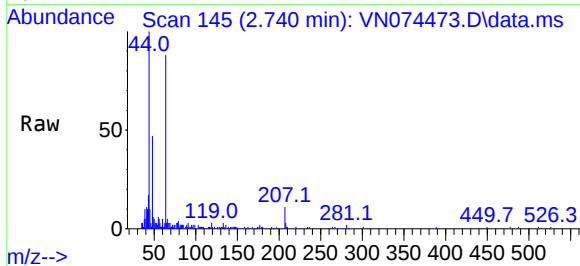




#6
Chloroethane
Concen: 1.443 ug/l
RT: 2.740 min Scan# 14
Delta R.T. -0.211 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

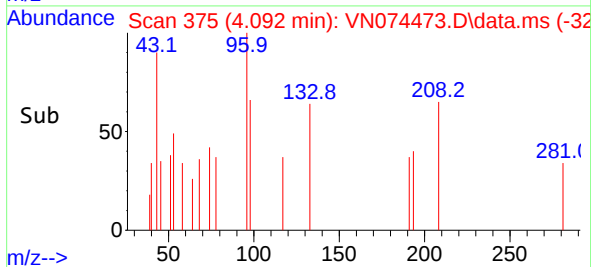
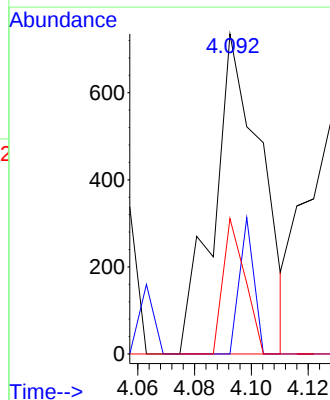
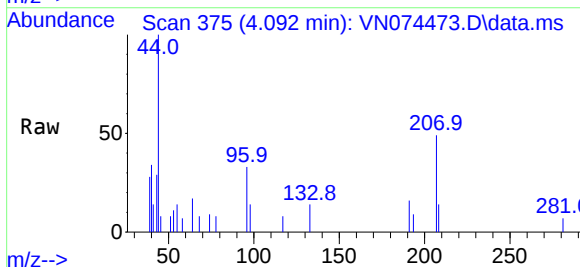
Instrument :
MSVOA_N
ClientSampleId :
256074-2

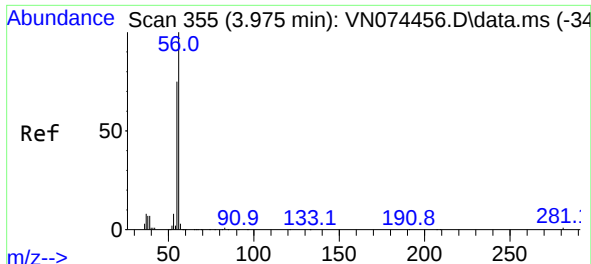
Tgt Ion: 64 Resp: 8588
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#12
1,1-Dichloroethene
Concen: 0.828 ug/l
RT: 4.092 min Scan# 375
Delta R.T. -0.012 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

Tgt Ion: 96 Resp: 855
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 42.3 51.2 76.8#

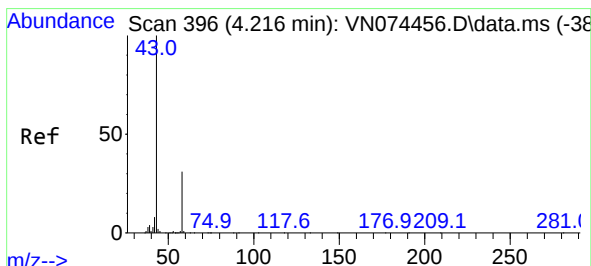
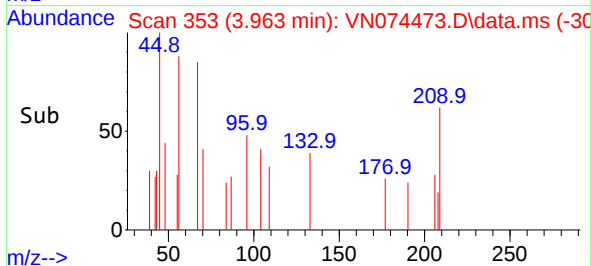
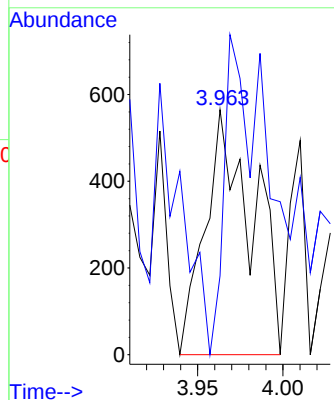
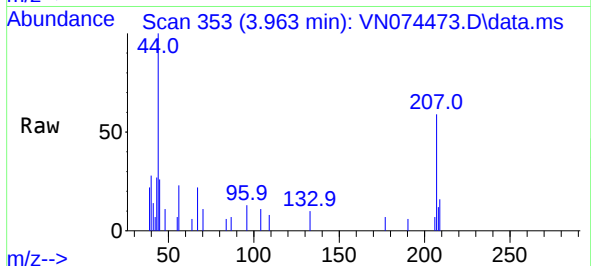




#13
Acrolein
Concen: 1.210 ug/l
RT: 3.963 min Scan# 311
Delta R.T. -0.012 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

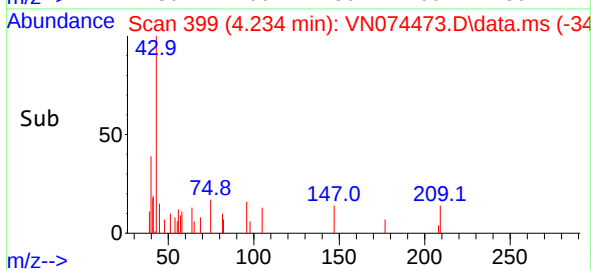
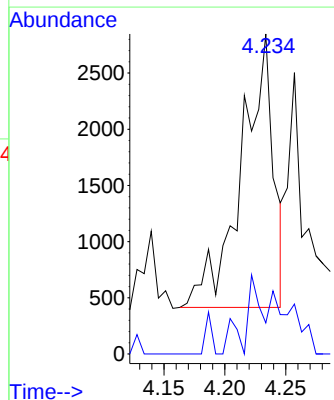
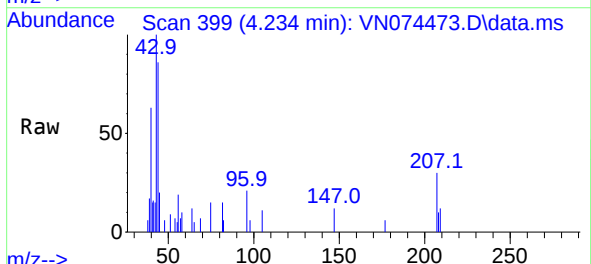
Instrument :
MSVOA_N
ClientSampleId :
256074-2

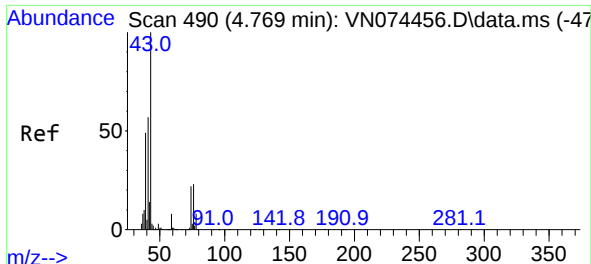
Tgt Ion: 56 Resp: 1086
Ion Ratio Lower Upper
56 100
55 118.3 54.8 82.2#



#16
Acetone
Concen: 0.932 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.018 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

Tgt Ion: 43 Resp: 4499
Ion Ratio Lower Upper
43 100
58 11.4 26.0 39.0#

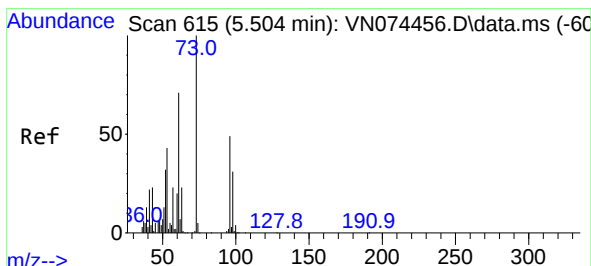
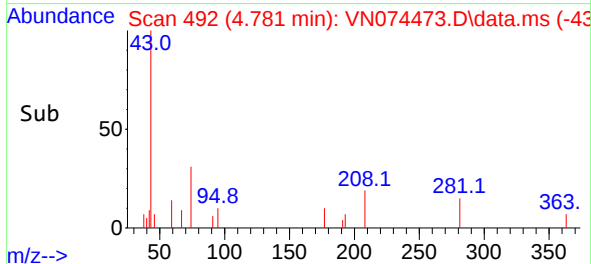
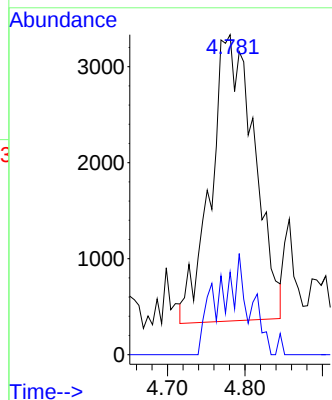
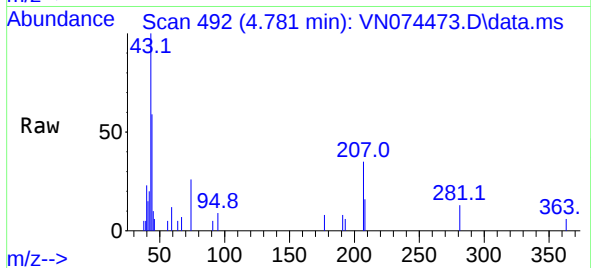




#18
Methyl Acetate
Concen: 0.776 ug/l
RT: 4.781 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

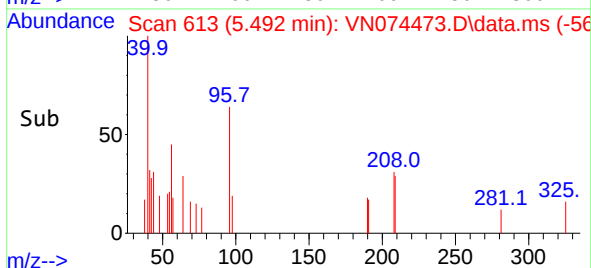
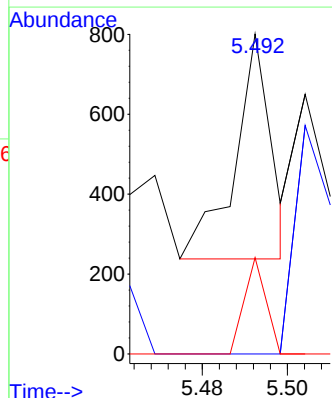
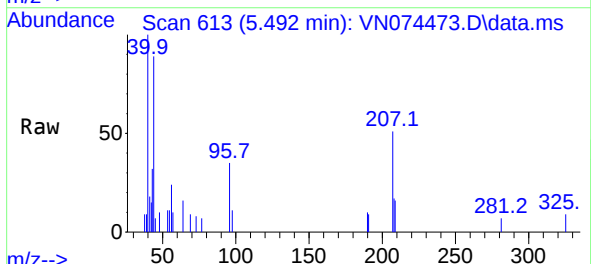
Instrument :
MSVOA_N
ClientSampleId :
256074-2

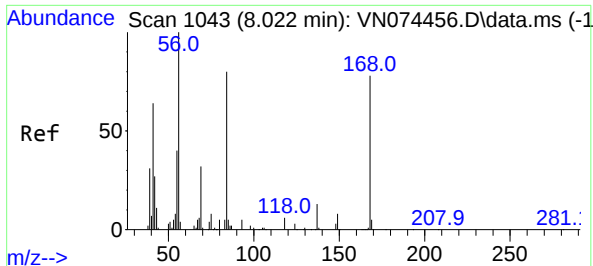
Tgt Ion: 43 Resp: 11639
Ion Ratio Lower Upper
43 100
74 6.1 21.6 32.4#



#21
trans-1,2-Dichloroethene
Concen: 0.481 ug/l
RT: 5.492 min Scan# 613
Delta R.T. -0.012 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

Tgt Ion: 96 Resp: 336
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 42.8 50.3 75.5#

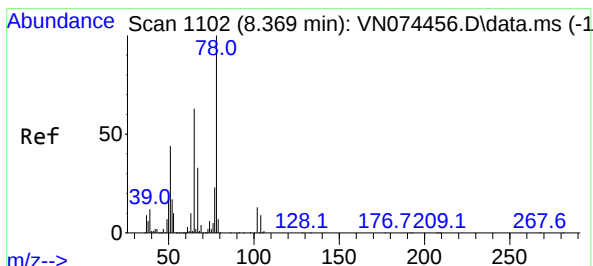
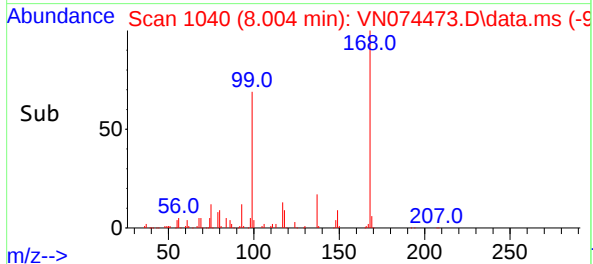
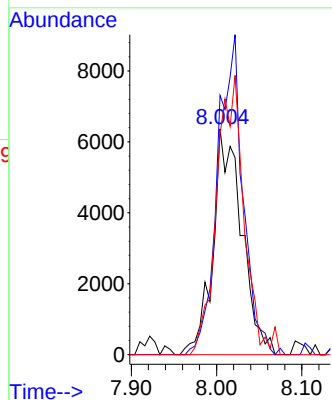
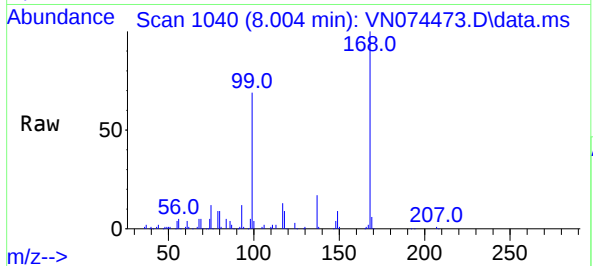




#31
Cyclohexane
Concen: 1.120 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.018 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

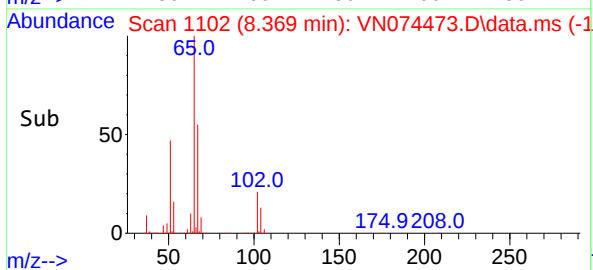
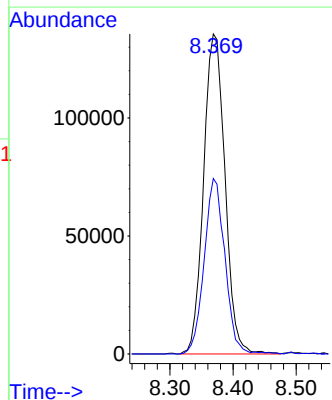
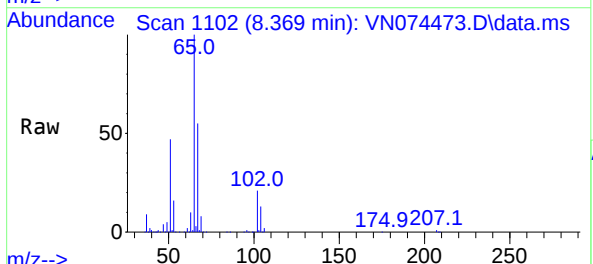
Instrument :
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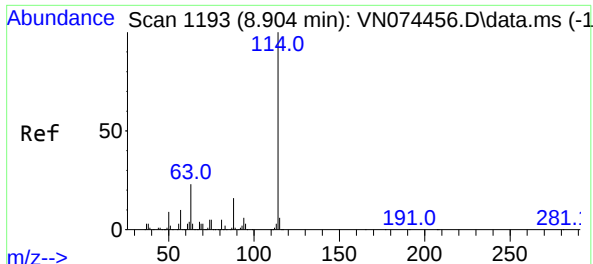
Tgt Ion: 56 Resp: 15004
Ion Ratio Lower Upper
56 100
69 114.8 27.8 41.8#
84 97.4 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 42.291 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

Tgt Ion: 65 Resp: 319112
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.8



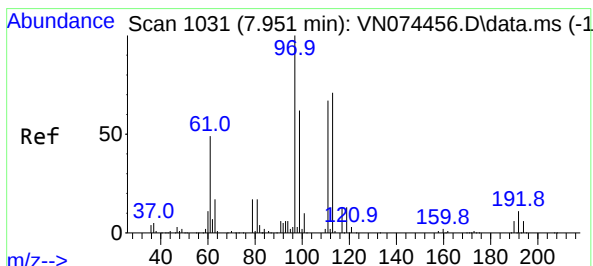
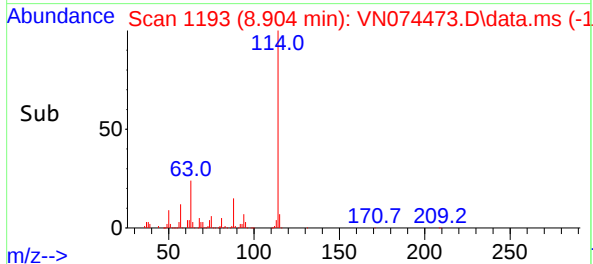
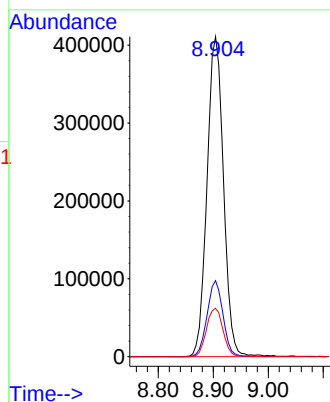
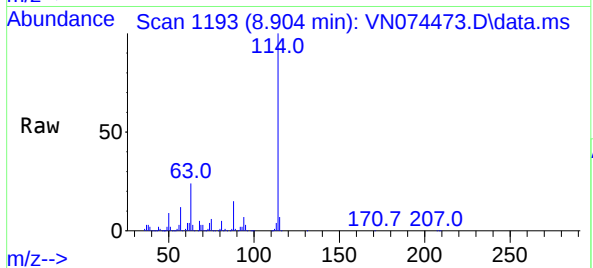


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

Instrument :
MSVOA_N
ClientSampleId :
256074-2

Tgt Ion:114 Resp: 855941

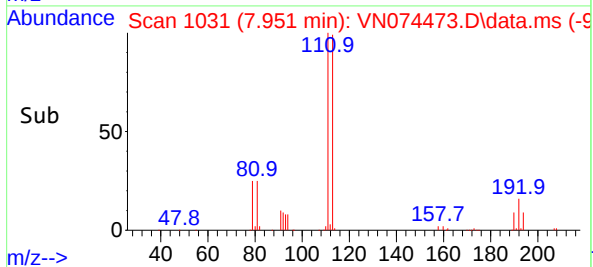
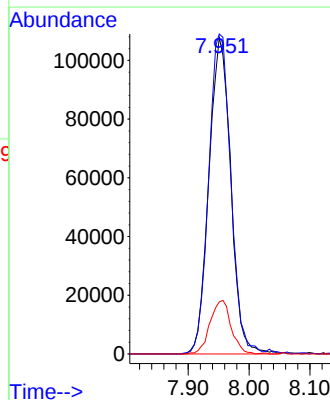
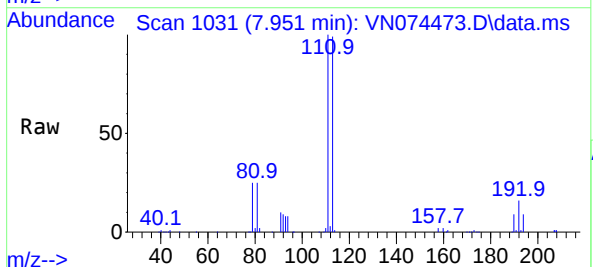
Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	40.0
88	15.1	0.0	32.6

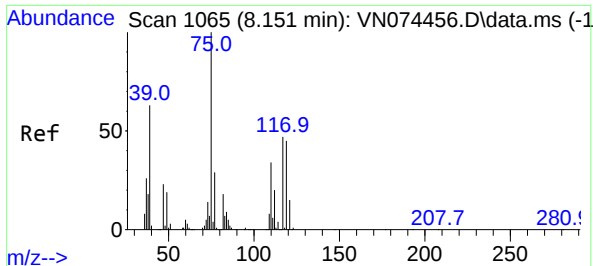


#35
Dibromofluoromethane
Concen: 47.268 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

Tgt Ion:113 Resp: 268757

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.0
192	16.3	17.0	25.6

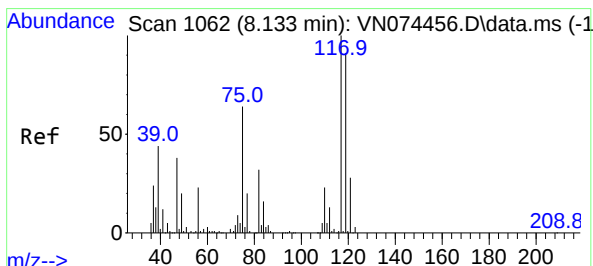
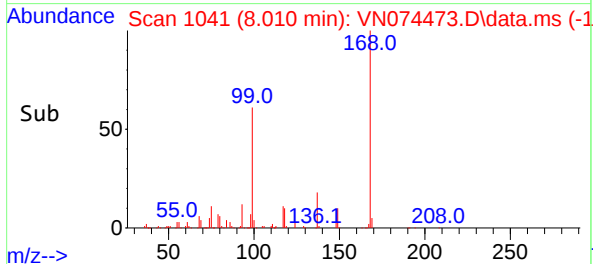
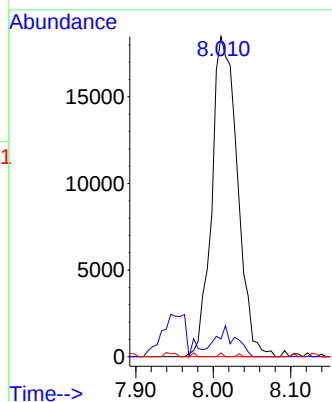
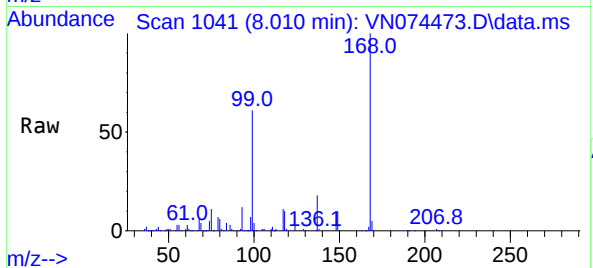




#36
1,1-Dichloropropene
Concen: 4.227 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

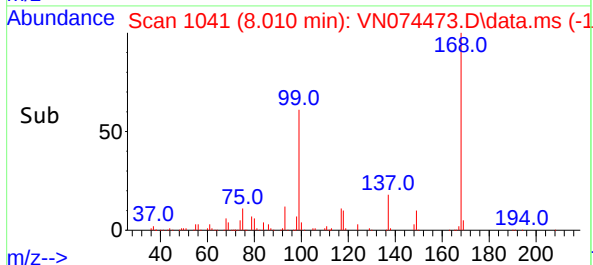
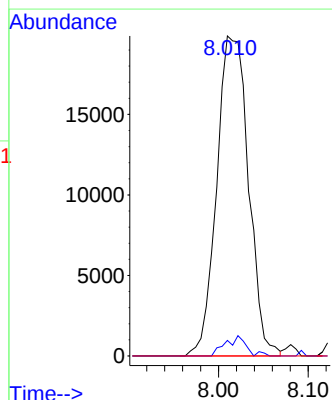
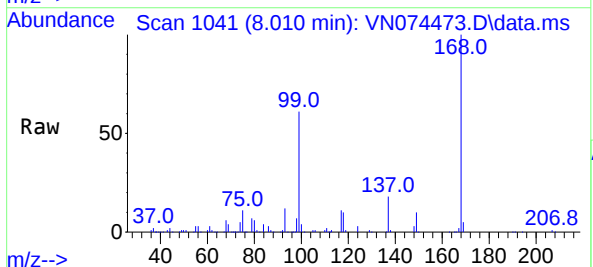
Instrument :
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256074-2

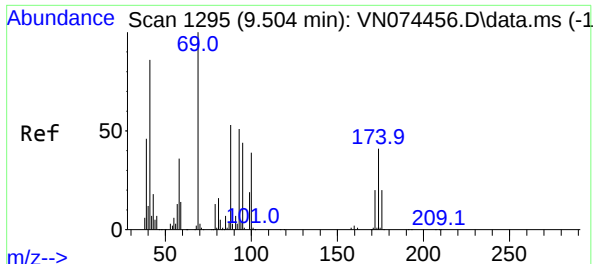
Tgt Ion: 75 Resp: 42543
Ion Ratio Lower Upper
75 100
110 7.5 18.3 54.8#
77 0.2 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.257 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.123 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

Tgt Ion: 117 Resp: 48849
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 24.6 37.0#

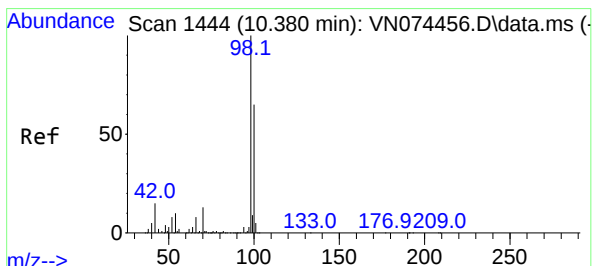
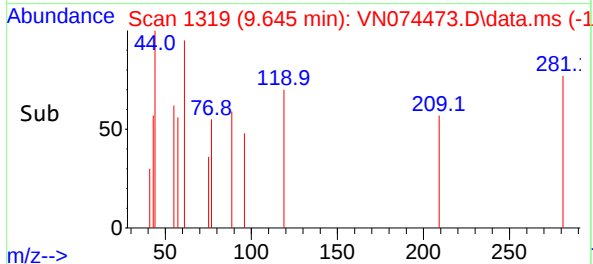
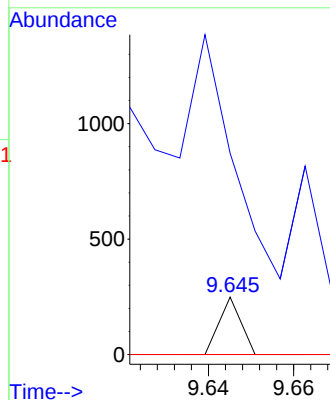
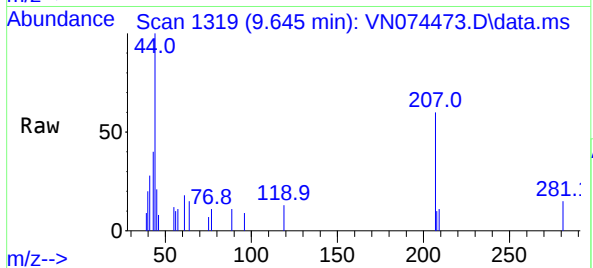




#49
1,4-Dioxane
Concen: 0.424 ug/l
RT: 9.645 min Scan# 11
Delta R.T. 0.141 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

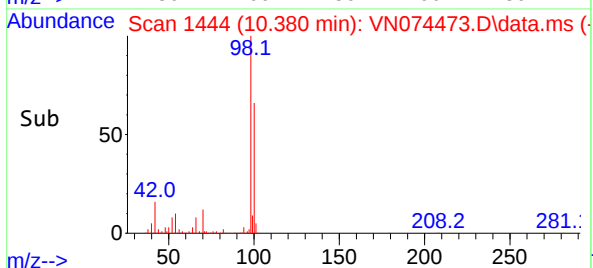
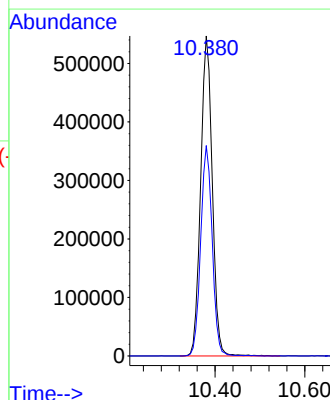
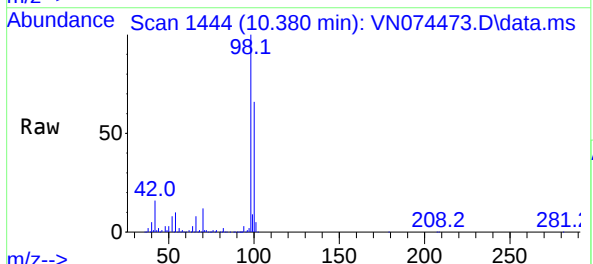
Instrument :
MSVOA_N
ClientSampleId :
256074-2

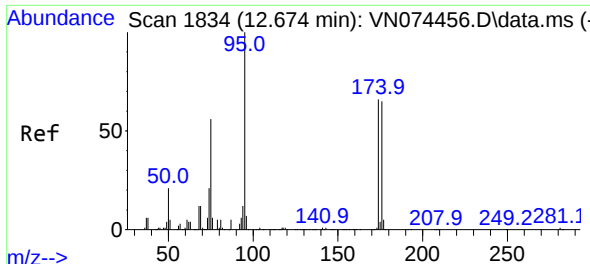
Tgt Ion: 88 Resp: 88
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 44.600 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

Tgt Ion: 98 Resp: 980722
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8

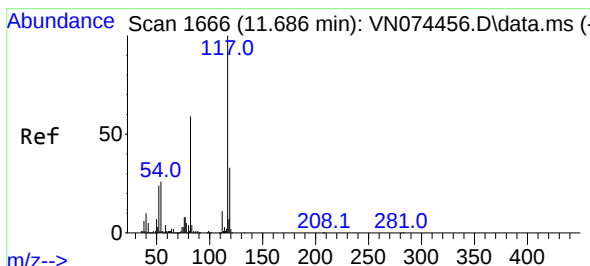
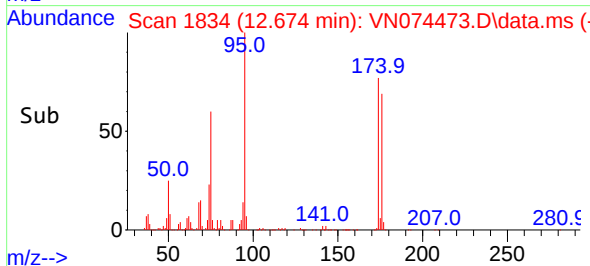
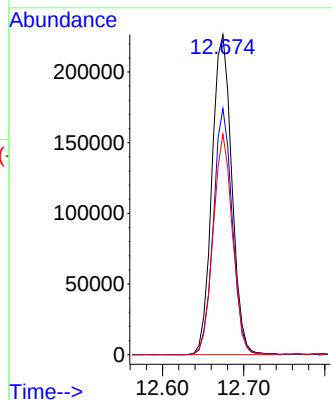
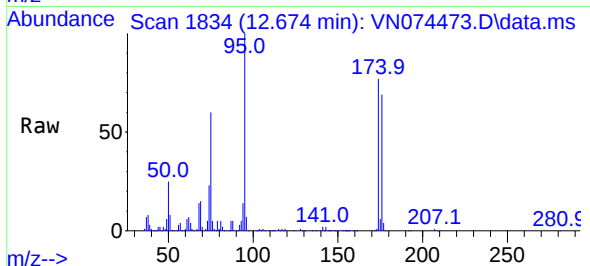




#62
4-Bromofluorobenzene
Concen: 50.994 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

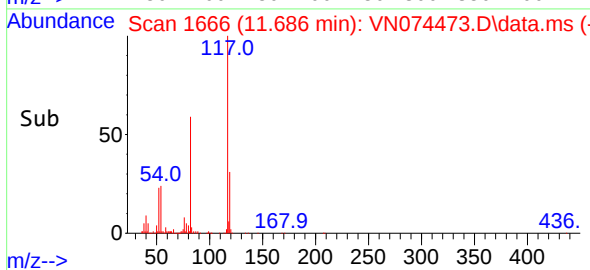
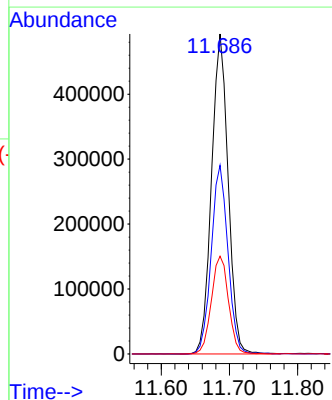
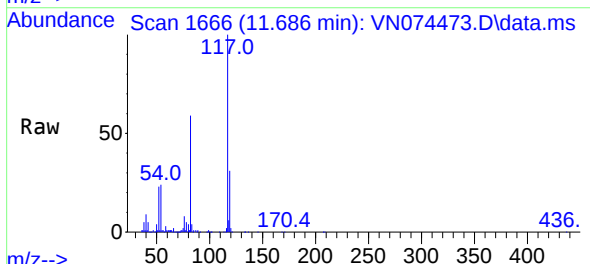
Instrument :
MSVOA_N
ClientSampleId :
256074-2

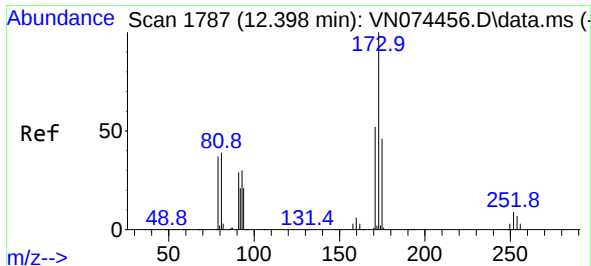
Tgt Ion: 95 Resp: 384048
Ion Ratio Lower Upper
95 100
174 73.7 0.0 167.6
176 67.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

Tgt Ion: 117 Resp: 834549
Ion Ratio Lower Upper
117 100
82 58.9 44.2 66.2
119 30.6 25.4 38.0

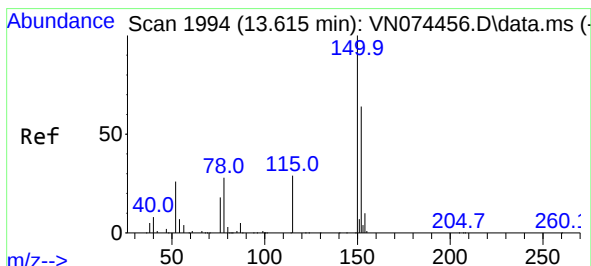
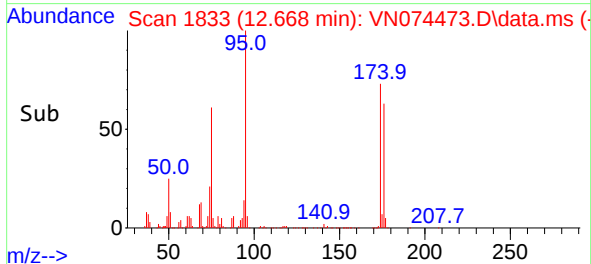
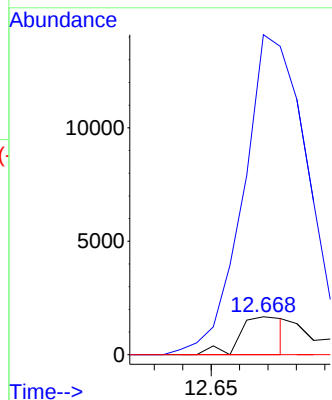
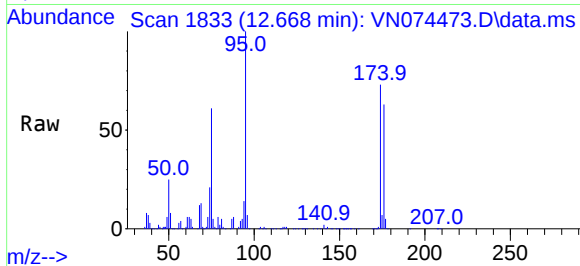




#71
Bromoform
Concen: 0.327 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

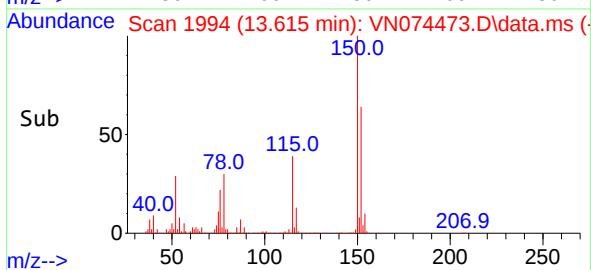
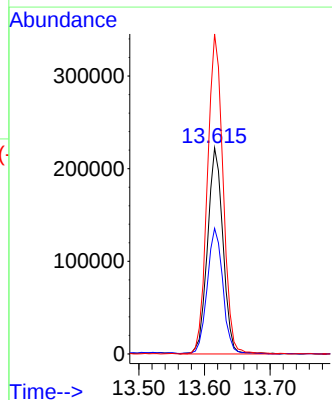
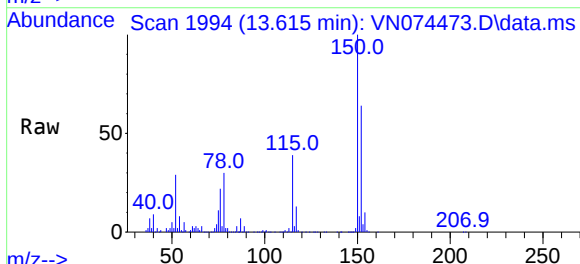
Instrument :
MSVOA_N
ClientSampleId :
256074-2

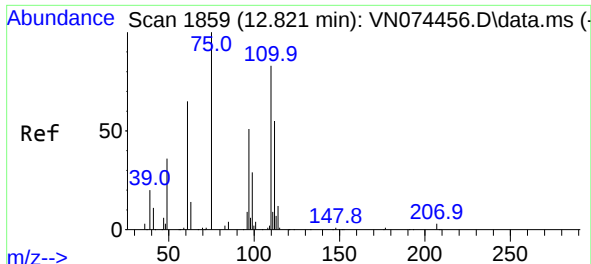
Tgt Ion:173 Resp: 1828
Ion Ratio Lower Upper
173 100
175 801.3 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

Tgt Ion:152 Resp: 365634
Ion Ratio Lower Upper
152 100
115 61.7 28.9 86.7
150 155.8 0.0 356.2

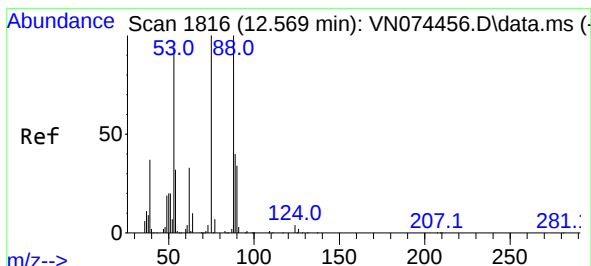
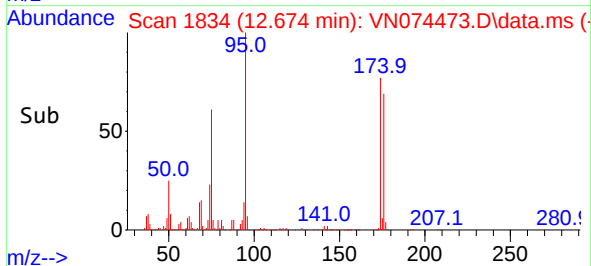
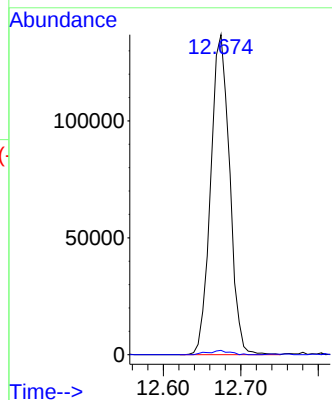
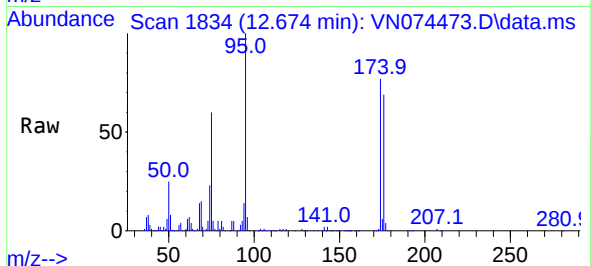




#76
1,2,3-Trichloropropane
Concen: 20.679 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

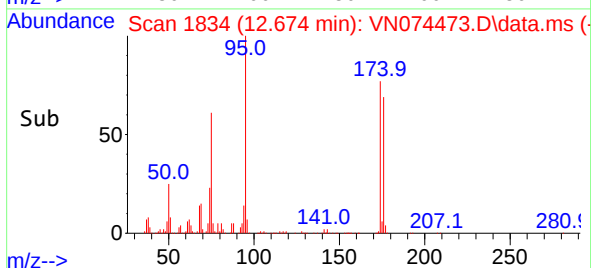
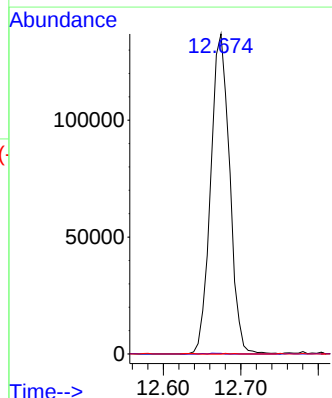
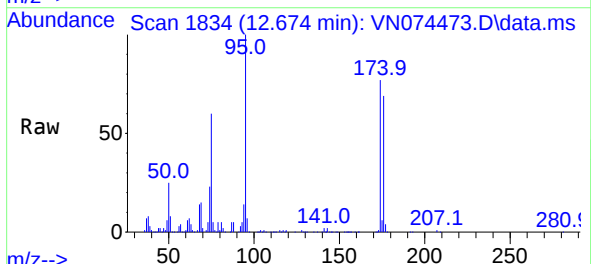
Instrument :
MSVOA_N
ClientSampleId :
256074-2

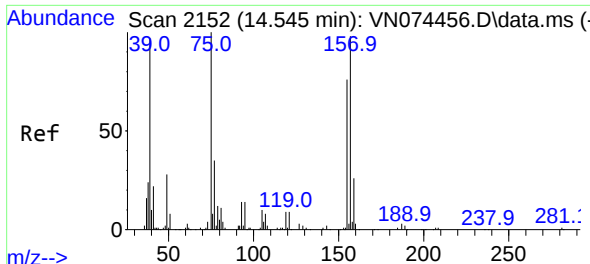
Tgt Ion: 75 Resp: 232731
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 44.632 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

Tgt Ion: 75 Resp: 232731
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.1 37.2 55.8#

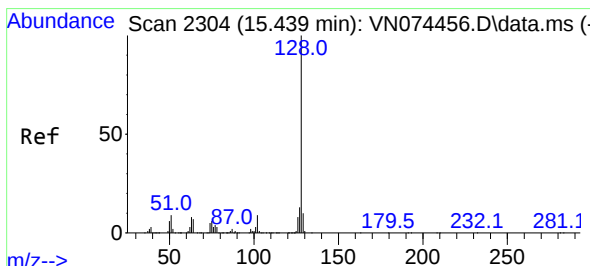
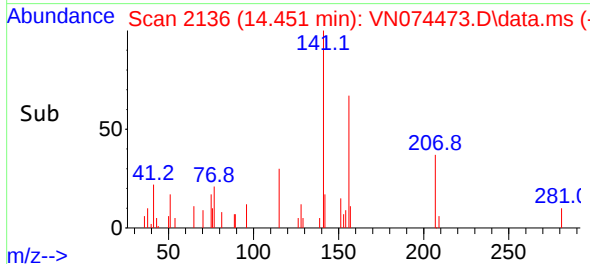
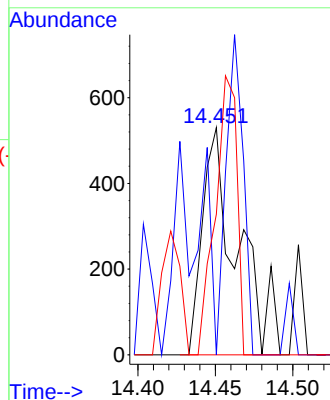
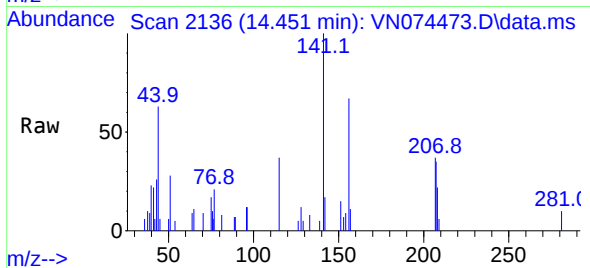




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.251 ug/l
RT: 14.451 min Scan# 2152
Delta R.T. -0.094 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

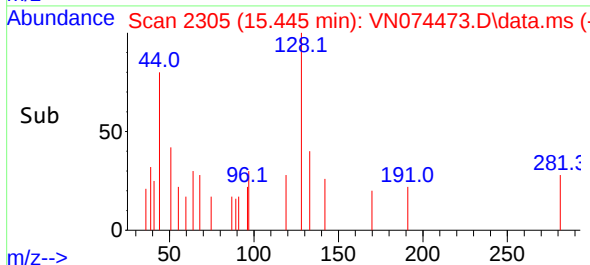
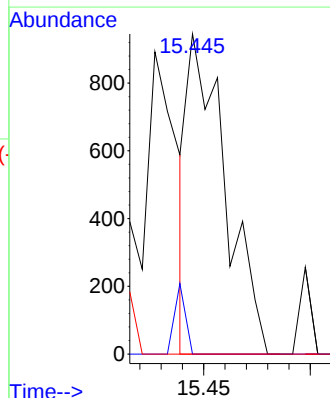
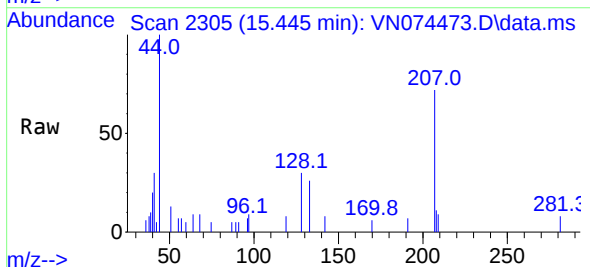
Instrument :
MSVOA_N
ClientSampleId :
256074-2

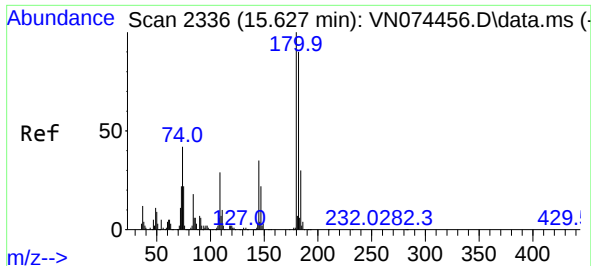
Tgt Ion:	75	Resp:	831
Ion	Ratio	Lower	Upper
75	100		
155	69.1	44.9	134.5
157	76.1	59.0	176.8



#95
Naphthalene
Concen: 1.625 ug/l
RT: 15.445 min Scan# 2305
Delta R.T. 0.006 min
Lab File: VN074473.D
Acq: 15 Sep 2022 20:00

Tgt Ion:	128	Resp:	1162
Ion	Ratio	Lower	Upper
128	100		
127	6.3	10.3	15.5#
129	0.0	8.6	13.0#





#96

1,2,3-Trichlorobenzene

Concen: 1.357 ug/l

RT: 15.627 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN074473.D

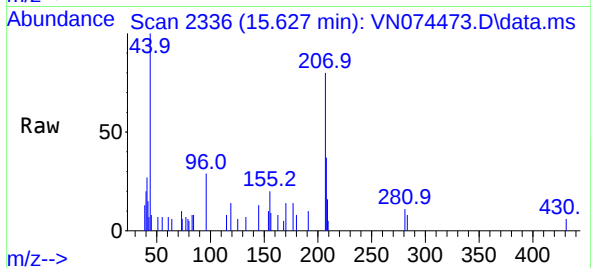
Acq: 15 Sep 2022 20:00

Instrument :

MSVOA_N

ClientSampleId :

256074-2



Tgt Ion:180 Resp: 157

Ion Ratio Lower Upper

180 100

182 115.3 47.8 143.3

145 158.6 15.5 46.5#

