

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
 Data File : VN074474.D
 Acq On : 15 Sep 2022 20:24
 Operator : JC\MD
 Sample : N4555-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 257248-3

Quant Time: Sep 16 01:47:03 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	415558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	805011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	788268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	339843	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	303110	42.989	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.980%
35) Dibromofluoromethane	7.957	113	253349	47.377	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.760%
50) Toluene-d8	10.380	98	927565	44.851	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.700%
62) 4-Bromofluorobenzene	12.674	95	364046	51.396	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.800%

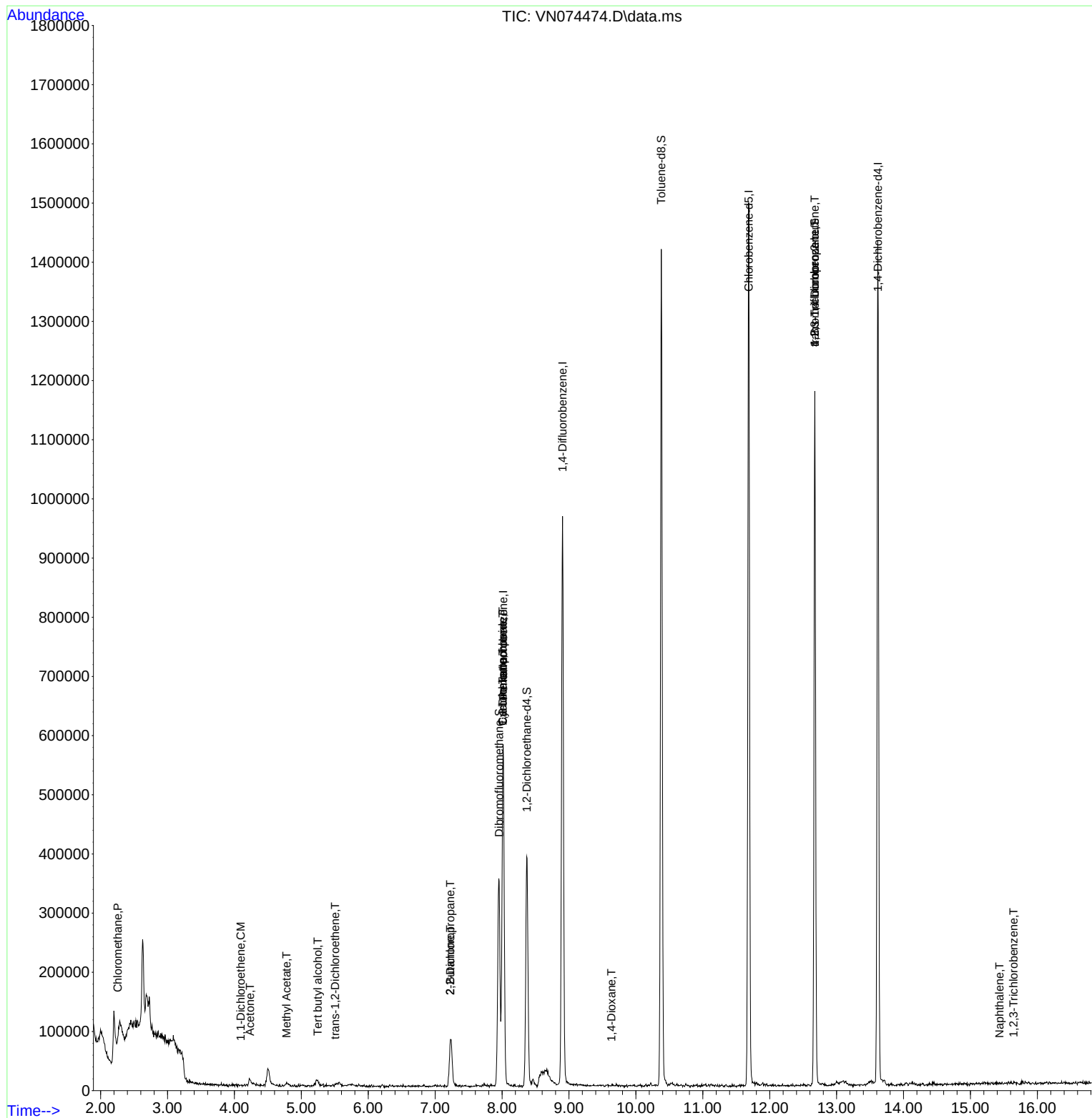
Target Compounds					Qvalue	
3) Chloromethane	2.257	50	1988	0.518	ug/l	91
11) Tert butyl alcohol	5.246	59	7796	3.394	ug/l #	74
12) 1,1-Dichloroethene	4.093	96	88	0.700	ug/l #	1
16) Acetone	4.234	43	16064	3.560	ug/l	98
18) Methyl Acetate	4.781	43	10374	0.740	ug/l #	59
21) trans-1,2-Dichloroethene	5.504	96	493	0.510	ug/l #	1
25) 2-Butanone	7.228	43	4598	0.614	ug/l #	45
26) 2,2-Dichloropropane	7.228	77	5917	0.523	ug/l #	53
28) Bromochloromethane	7.375	49	59	Below Cal	#	8
31) Cyclohexane	8.010	56	12626	1.009	ug/l #	43
36) 1,1-Dichloropropene	8.010	75	41571	4.392	ug/l #	41
38) Carbon Tetrachloride	8.010	117	44019	5.037	ug/l #	16
49) 1,4-Dioxane	9.633	88	57	0.292	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	211628	20.231	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	211628	43.665	ug/l #	11
95) Naphthalene	15.433	128	1024	1.623	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.645	180	66	1.346	ug/l #	1

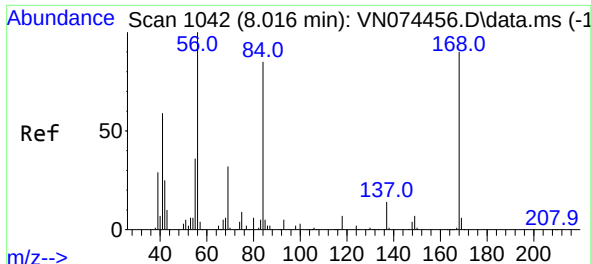
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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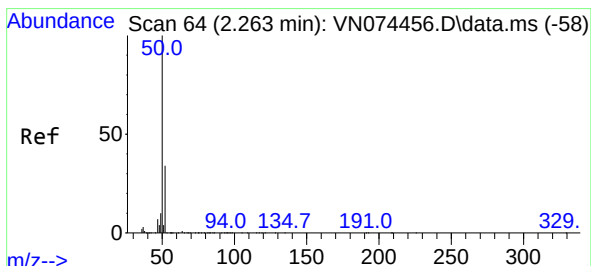
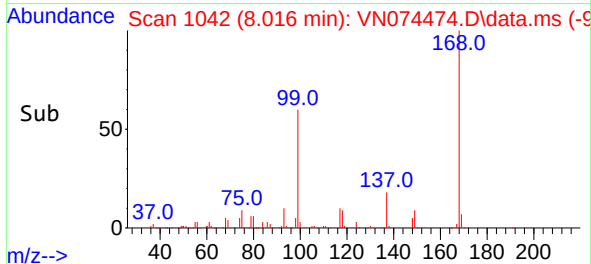
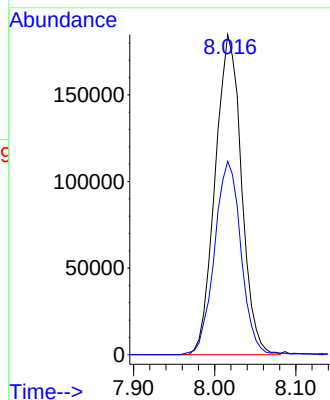
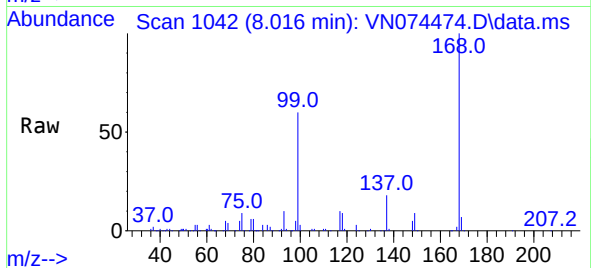




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

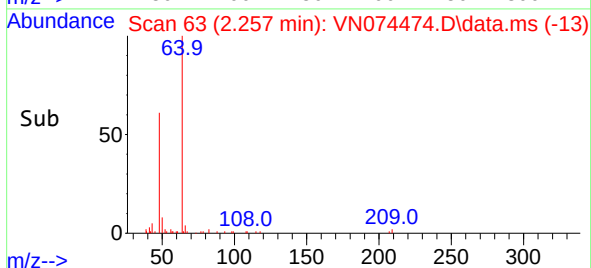
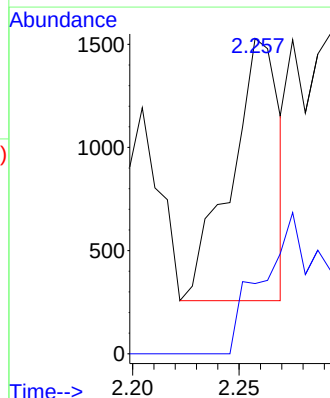
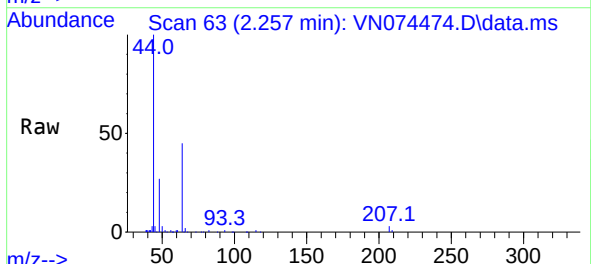
Instrument :
MSVOA_N
ClientSampleId :
257248-3

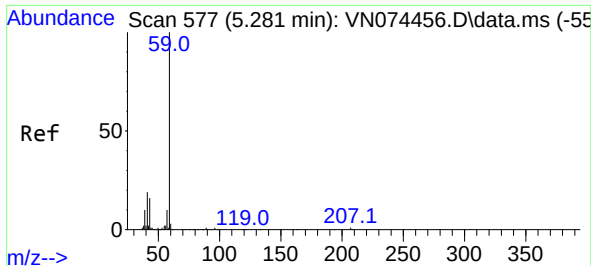
Tgt Ion:168 Resp: 415558
Ion Ratio Lower Upper
168 100
99 60.5 42.3 63.5



#3
Chloromethane
Concen: 0.518 ug/l
RT: 2.257 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

Tgt Ion: 50 Resp: 1988
Ion Ratio Lower Upper
50 100
52 26.9 25.7 38.5

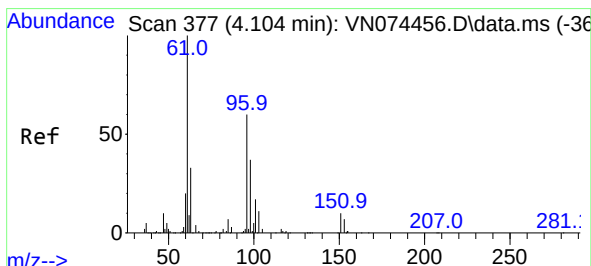
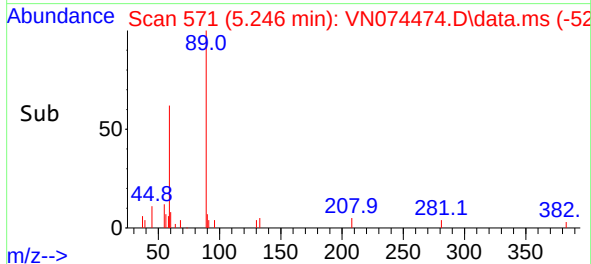
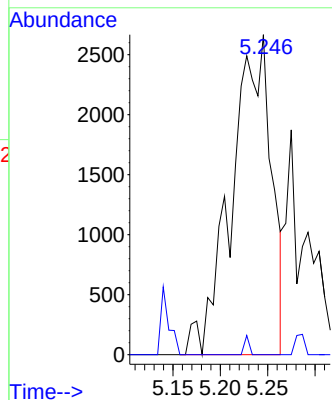
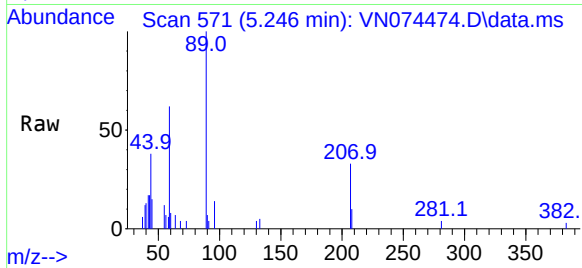




#11
Tert butyl alcohol
Concen: 3.394 ug/l
RT: 5.246 min Scan# 51
Delta R.T. -0.035 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

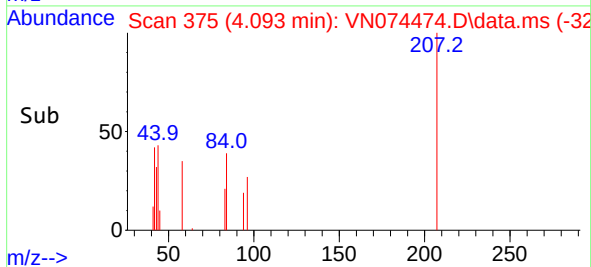
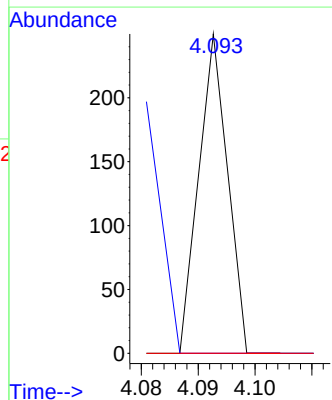
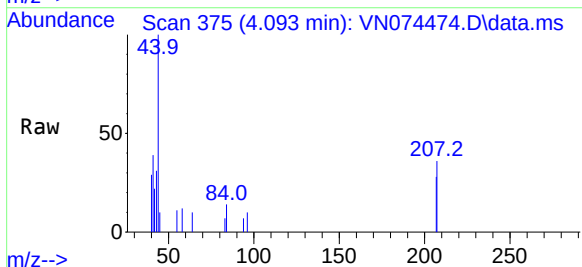
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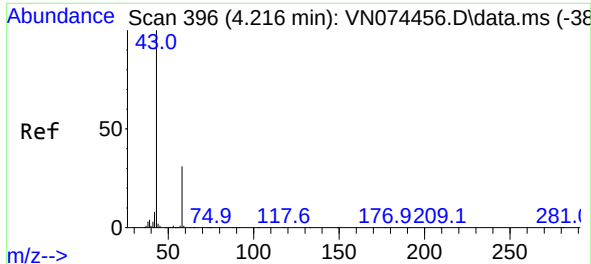
Tgt Ion: 59 Resp: 7796
Ion Ratio Lower Upper
59 100
57 0.7 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.700 ug/l
RT: 4.093 min Scan# 375
Delta R.T. -0.011 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

Tgt Ion: 96 Resp: 88
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#





#16

Acetone

Concen: 3.560 ug/l

RT: 4.234 min Scan# 399

Delta R.T. 0.018 min

Lab File: VN074474.D

Acq: 15 Sep 2022 20:24

Instrument :

MSVOA_N

ClientSampleId :

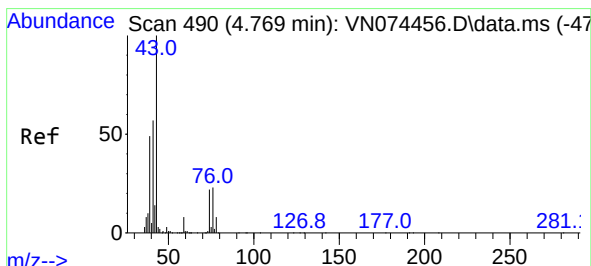
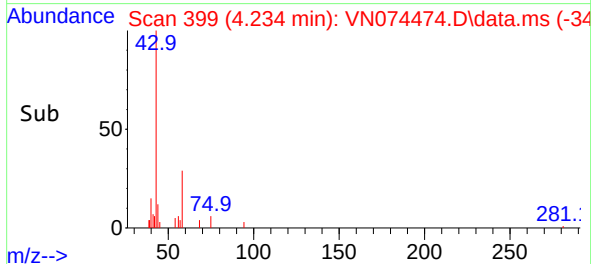
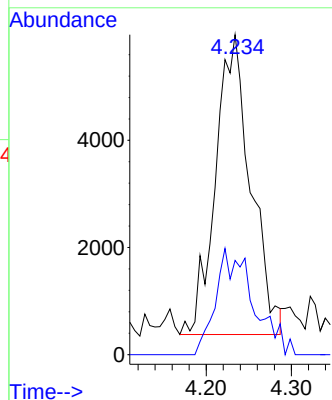
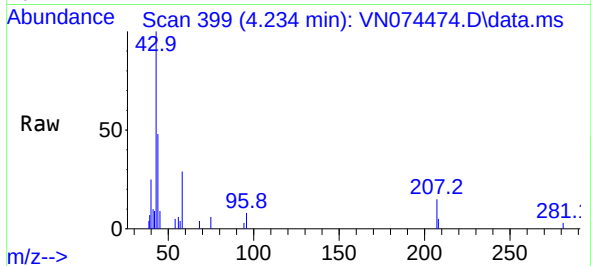
257248-3

Tgt Ion: 43 Resp: 16064

Ion Ratio Lower Upper

43 100

58 31.4 26.0 39.0



#18

Methyl Acetate

Concen: 0.740 ug/l

RT: 4.781 min Scan# 492

Delta R.T. 0.012 min

Lab File: VN074474.D

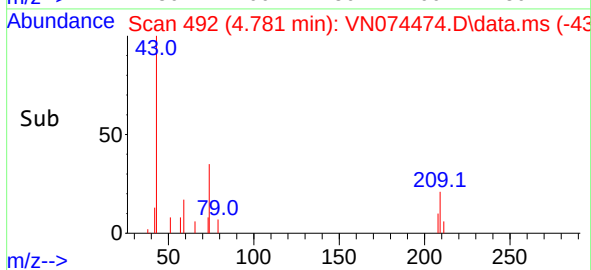
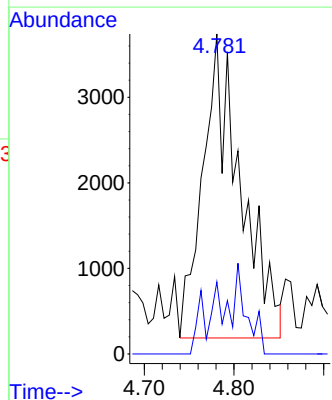
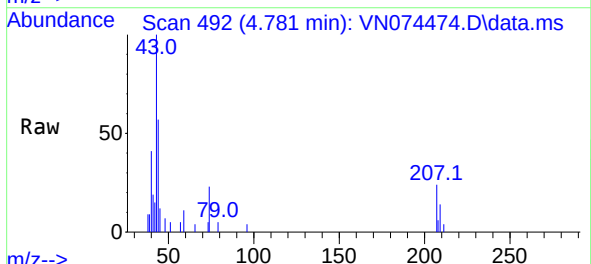
Acq: 15 Sep 2022 20:24

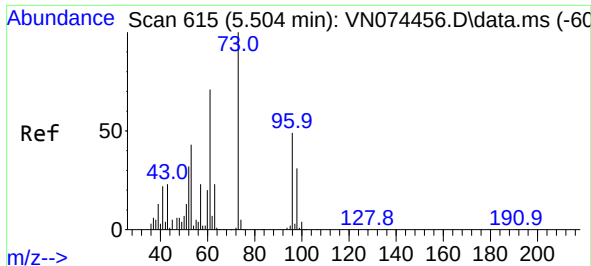
Tgt Ion: 43 Resp: 10374

Ion Ratio Lower Upper

43 100

74 5.7 21.6 32.4#

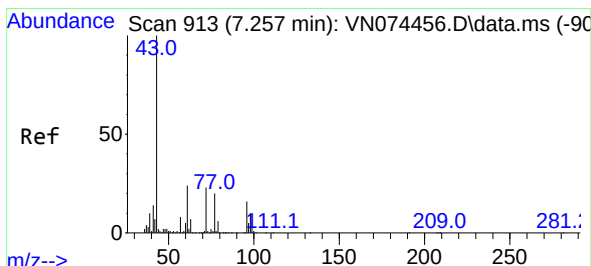
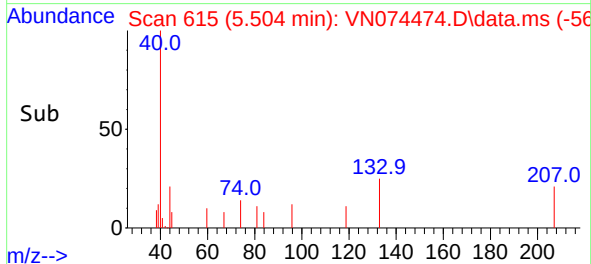
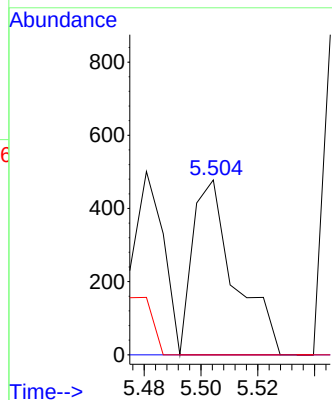
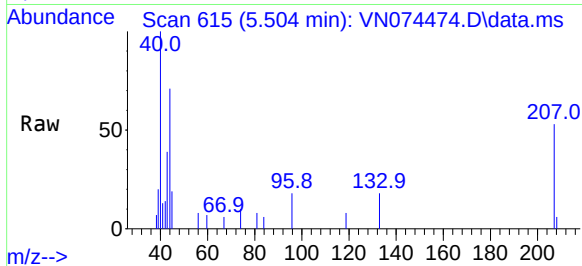




#21
trans-1,2-Dichloroethene
Concen: 0.510 ug/l
RT: 5.504 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

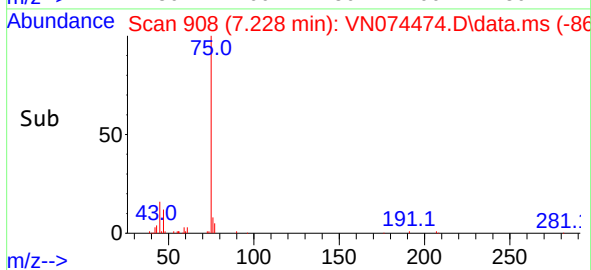
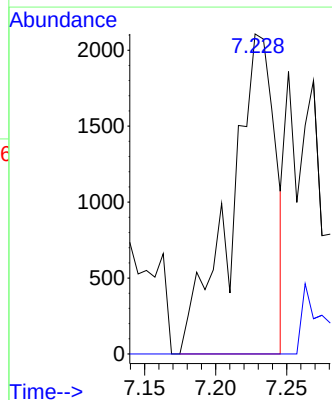
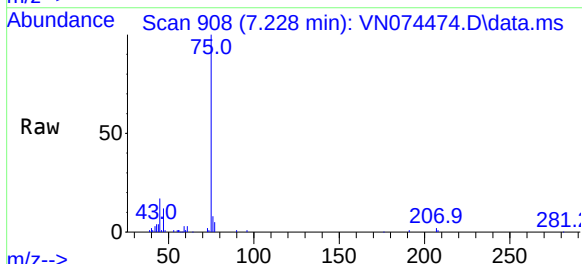
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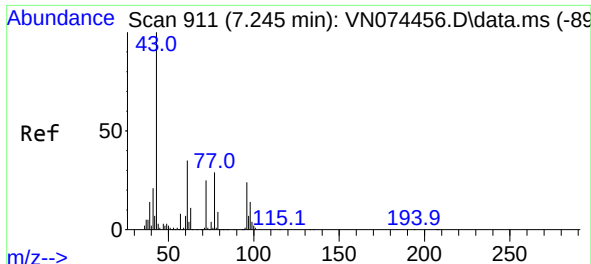
Tgt Ion: 96 Resp: 493
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#



#25
2-Butanone
Concen: 0.614 ug/l
RT: 7.228 min Scan# 908
Delta R.T. -0.029 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

Tgt Ion: 43 Resp: 4598
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

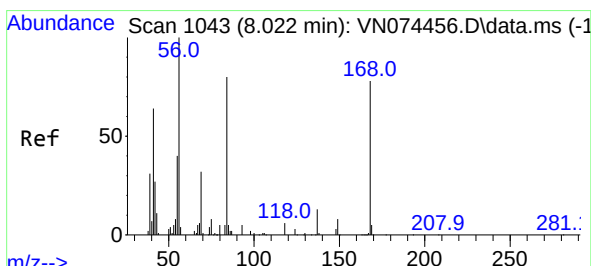
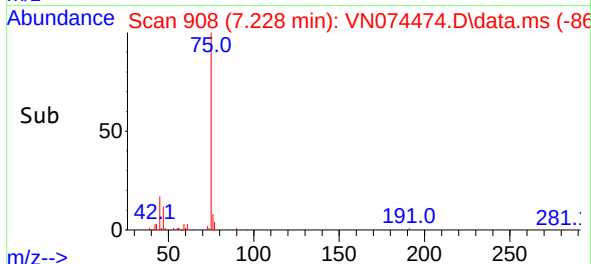
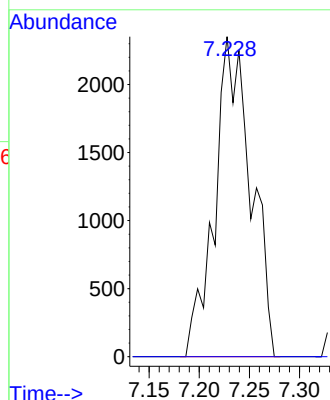
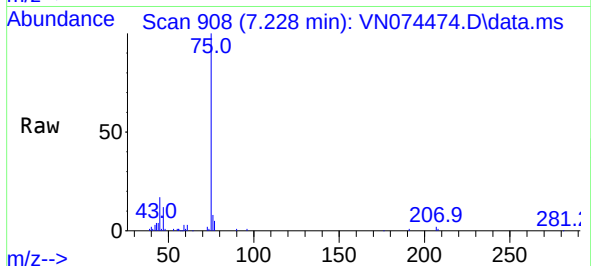




#26
2,2-Dichloropropane
Concen: 0.523 ug/l
RT: 7.228 min Scan# 90
Delta R.T. -0.017 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

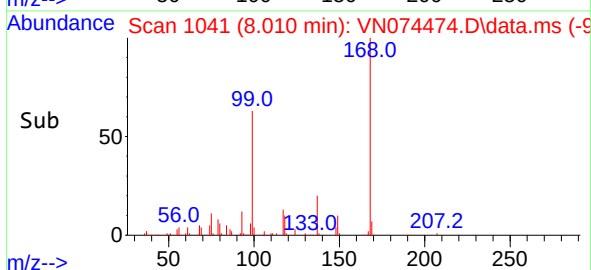
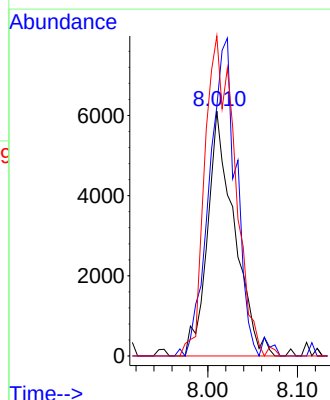
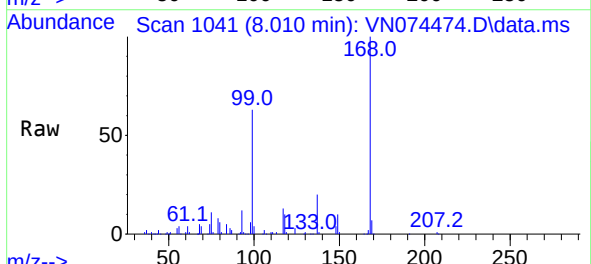
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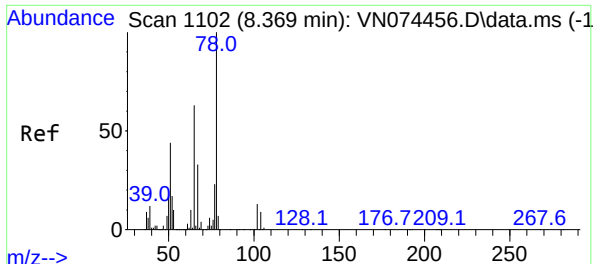
Tgt Ion: 77 Resp: 5917
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.009 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

Tgt Ion: 56 Resp: 12626
Ion Ratio Lower Upper
56 100
69 101.8 27.8 41.8#
84 130.7 76.9 115.3#

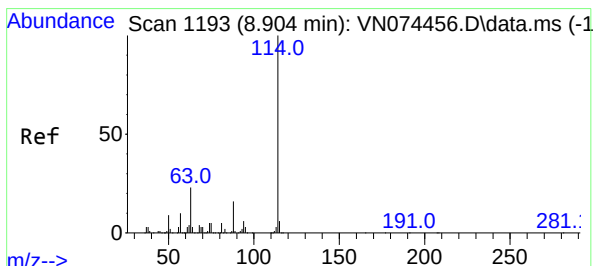
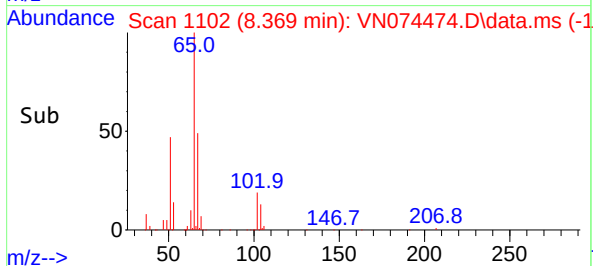
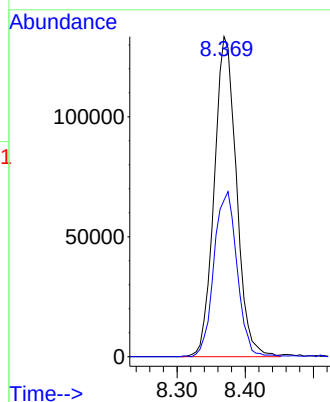
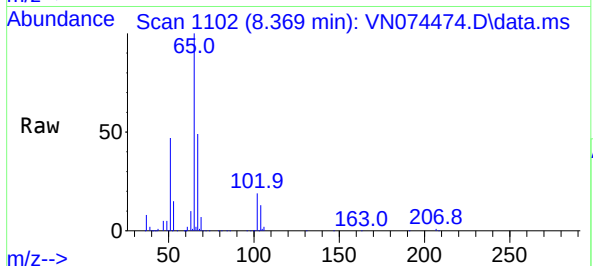




#33
1,2-Dichloroethane-d4
Concen: 42.989 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

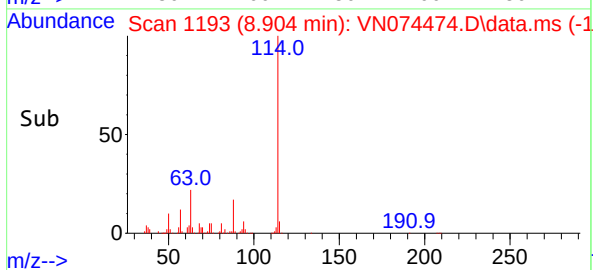
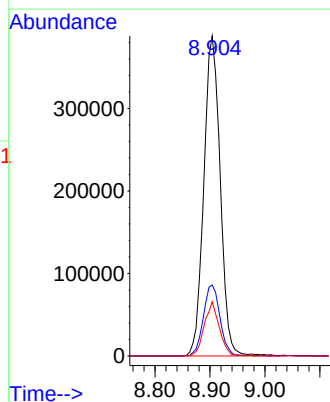
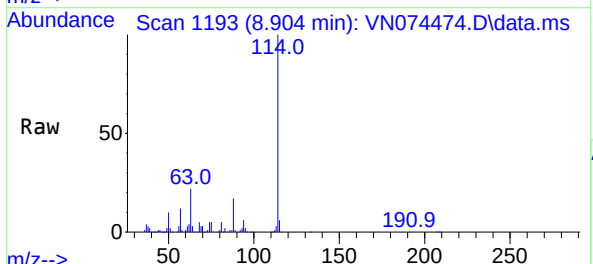
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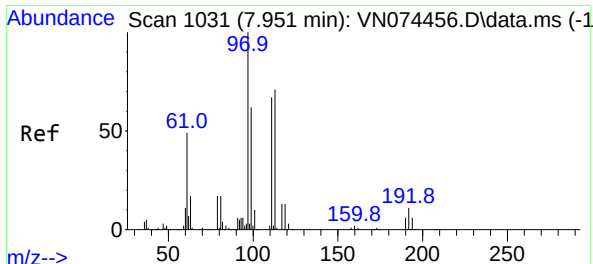
Tgt Ion: 65 Resp: 303110
Ion Ratio Lower Upper
65 100
67 53.6 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

Tgt Ion:114 Resp: 805011
Ion Ratio Lower Upper
114 100
63 22.2 0.0 40.0
88 16.9 0.0 32.6

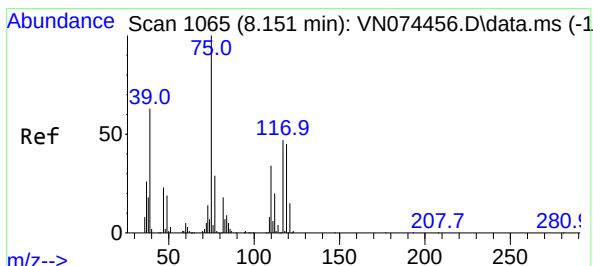
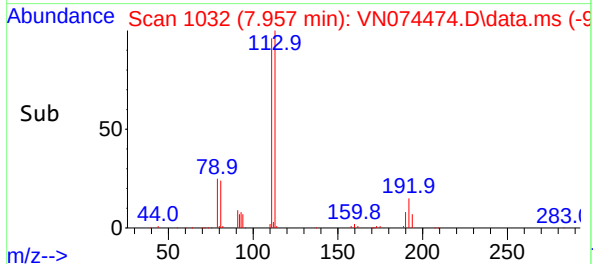
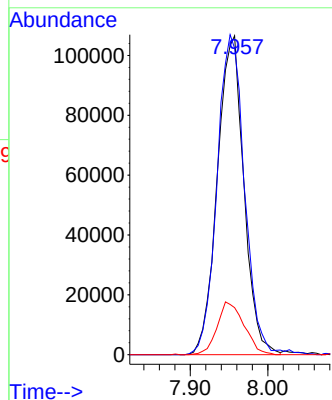
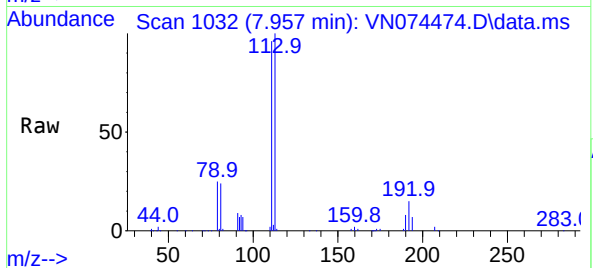




#35
Dibromofluoromethane
Concen: 47.377 ug/l
RT: 7.957 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

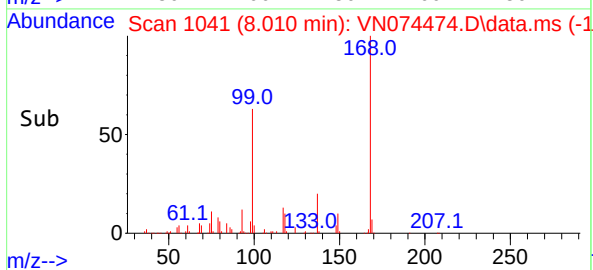
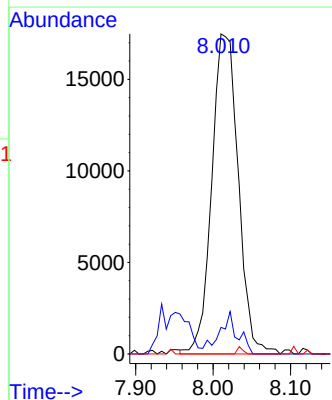
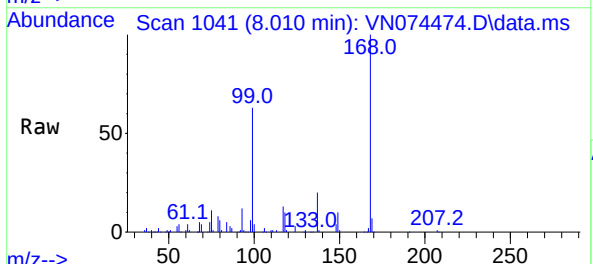
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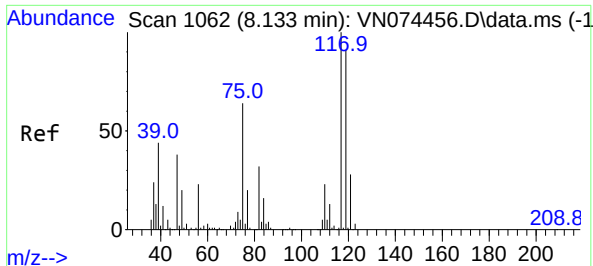
Tgt Ion:113 Resp: 253349
Ion Ratio Lower Upper
113 100
111 104.0 81.4 122.0
192 16.7 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 4.392 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

Tgt Ion: 75 Resp: 41571
Ion Ratio Lower Upper
75 100
110 0.0 18.3 54.8#
77 0.0 25.1 37.7#

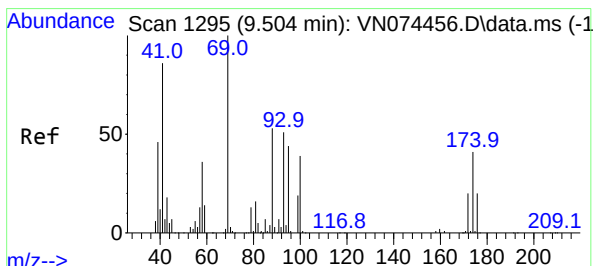
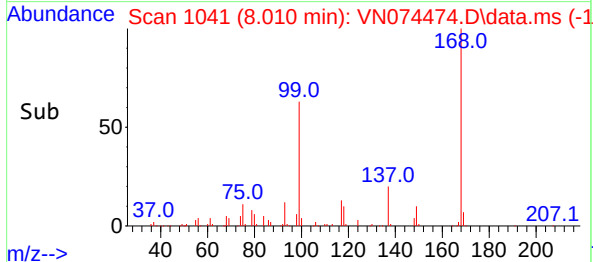
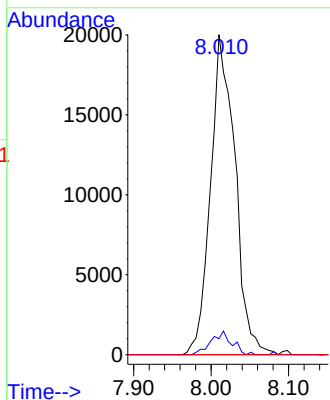
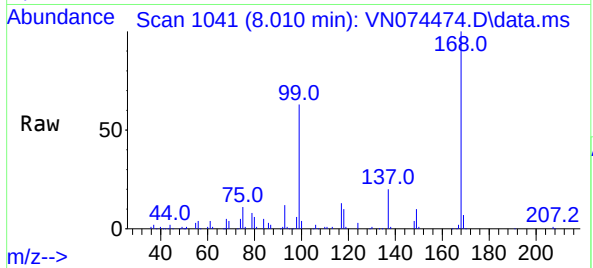




#38
Carbon Tetrachloride
Concen: 5.037 ug/l
RT: 8.010 min Scan# 117
Delta R.T. -0.123 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

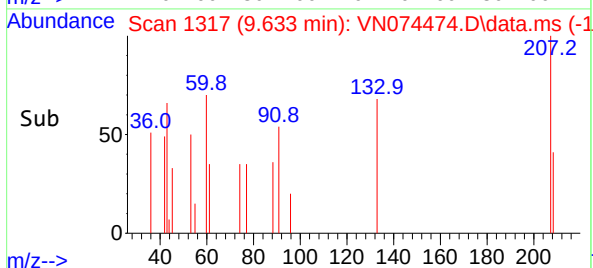
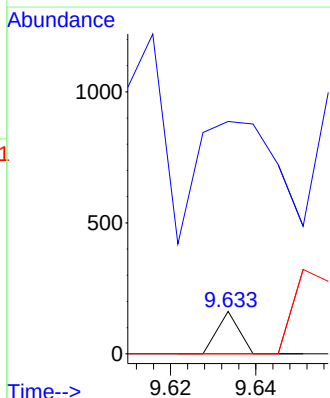
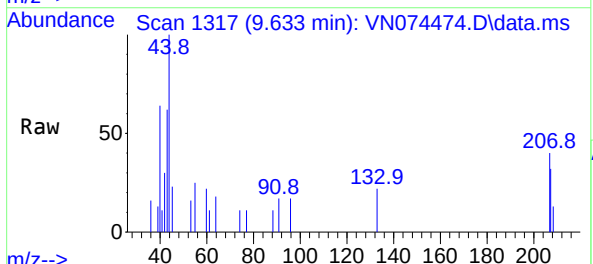
Instrument :
MSVOA_N
ClientSampleId :
257248-3

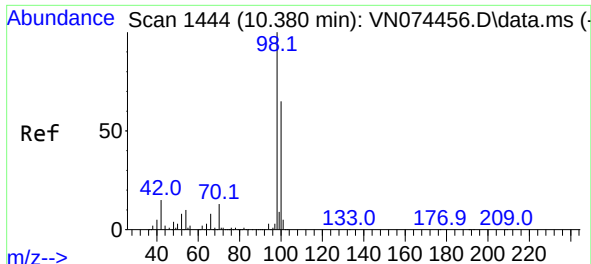
Tgt Ion:117 Resp: 44019
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.292 ug/l
RT: 9.633 min Scan# 1317
Delta R.T. 0.129 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 635.1 20.2 30.4#
58 0.0 54.2 81.4#

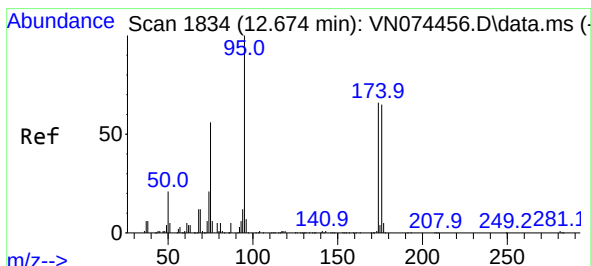
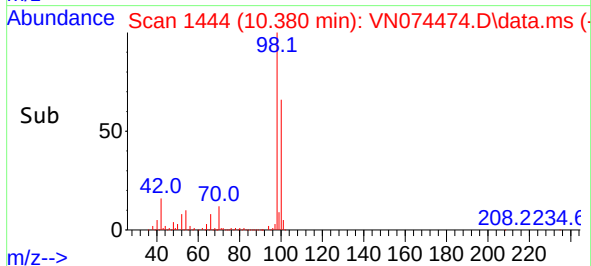
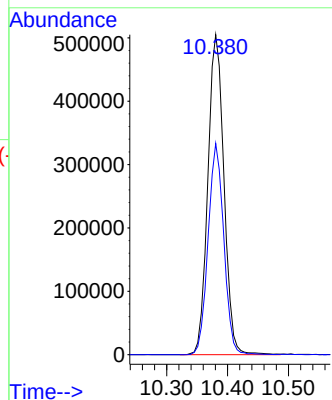
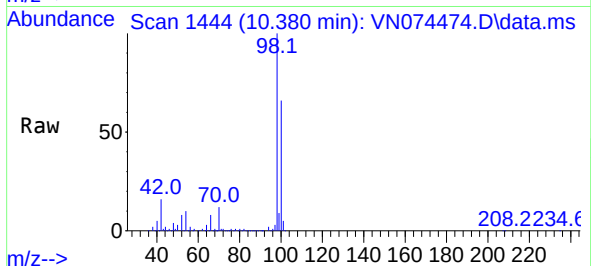




#50
Toluene-d8
Concen: 44.851 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

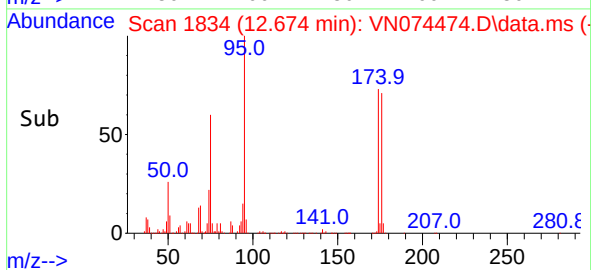
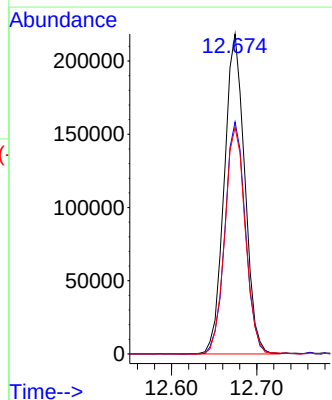
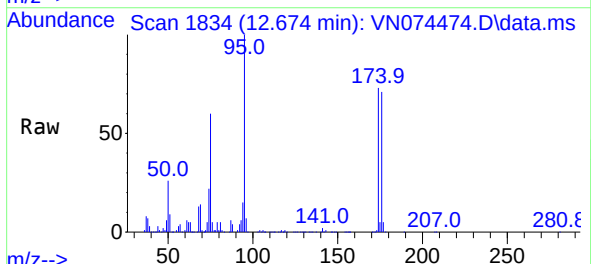
Instrument :
MSVOA_N
ClientSampleId :
257248-3

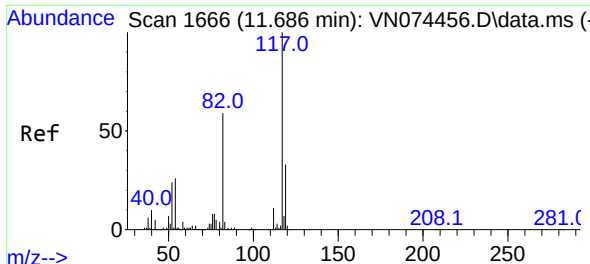
Tgt Ion: 98 Resp: 927565
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 51.396 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

Tgt Ion: 95 Resp: 364046
Ion Ratio Lower Upper
95 100
174 72.3 0.0 167.6
176 71.1 0.0 163.4

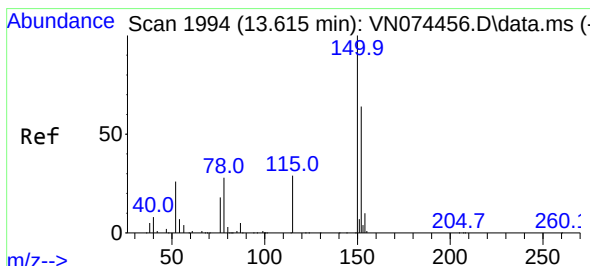
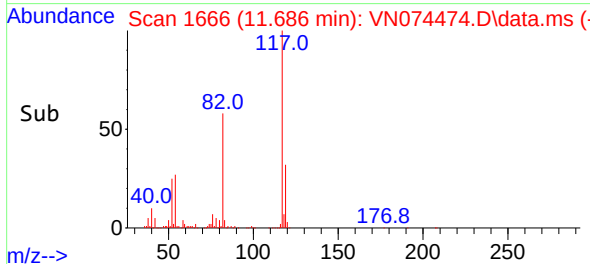
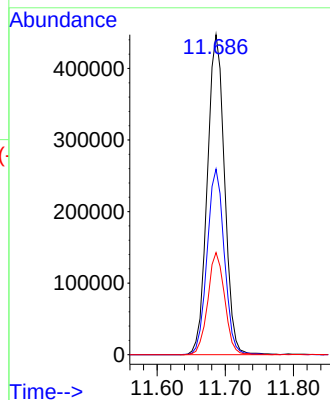
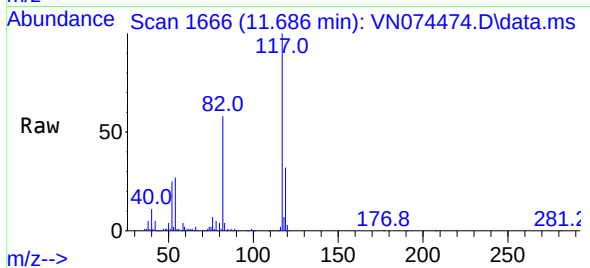




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

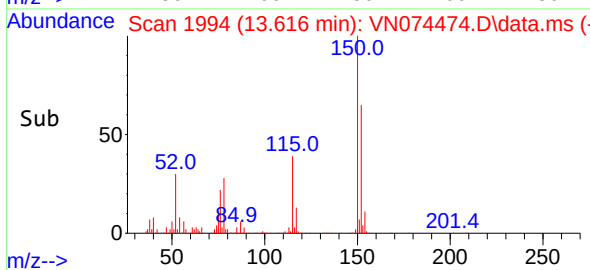
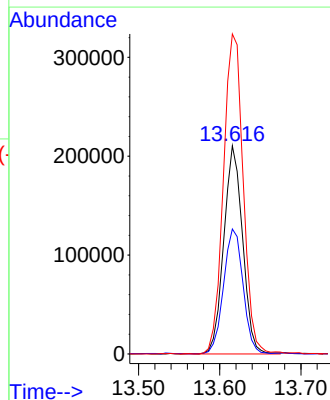
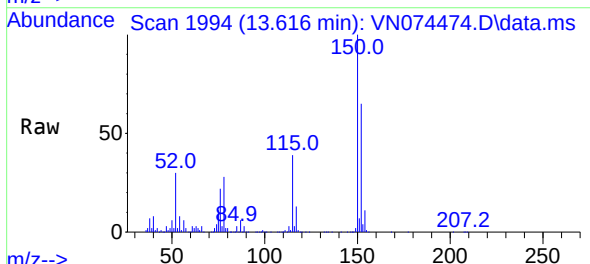
Instrument :
MSVOA_N
ClientSampleId :
257248-3

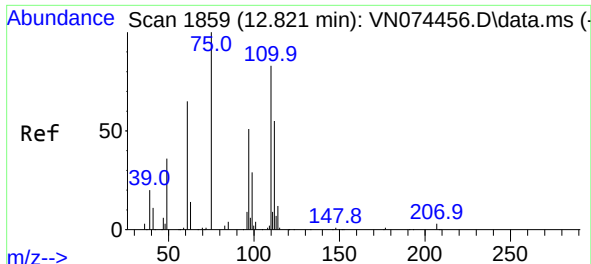
Tgt Ion:117 Resp: 788268
Ion Ratio Lower Upper
117 100
82 58.0 44.2 66.2
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

Tgt Ion:152 Resp: 339843
Ion Ratio Lower Upper
152 100
115 61.8 28.9 86.7
150 161.7 0.0 356.2

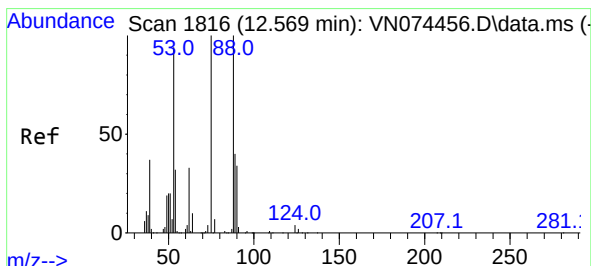
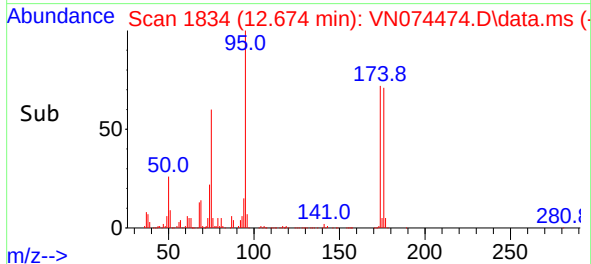
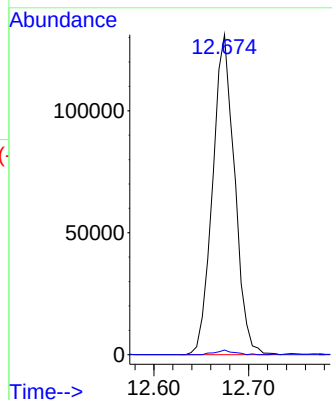
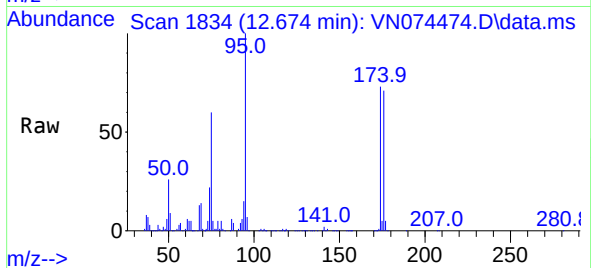




#76
1,2,3-Trichloropropane
Concen: 20.231 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

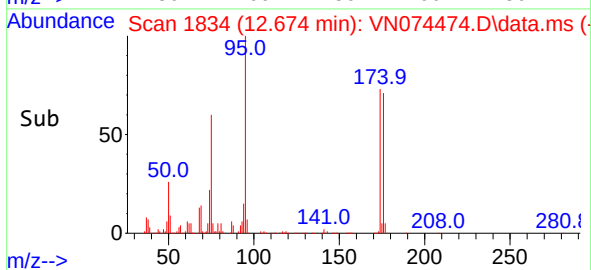
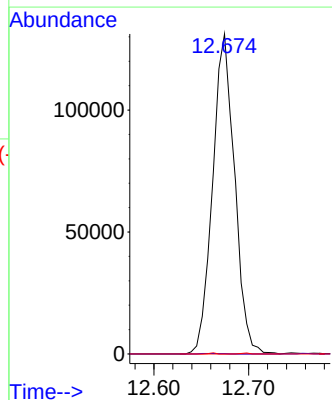
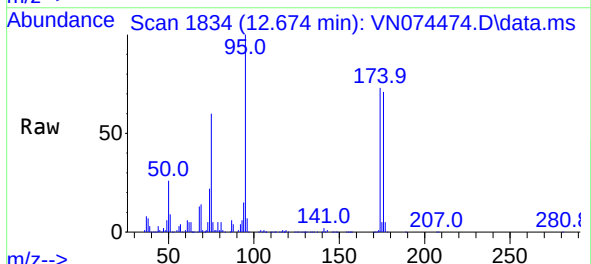
Instrument :
MSVOA_N
ClientSampleId :
257248-3

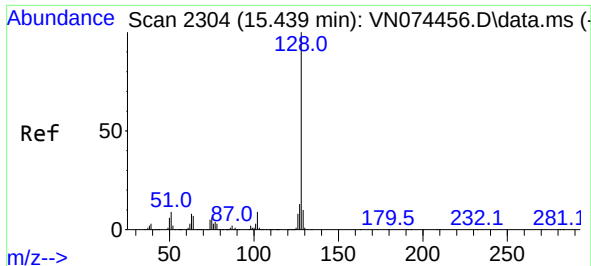
Tgt Ion: 75 Resp: 211628
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 43.665 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

Tgt Ion: 75 Resp: 211628
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.1 37.2 55.8#

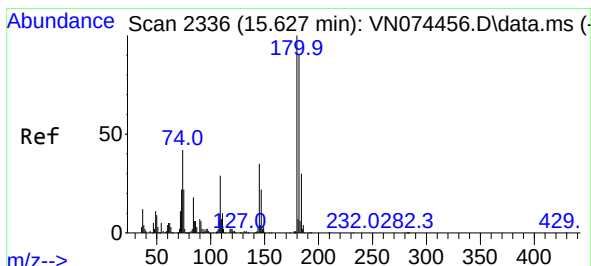
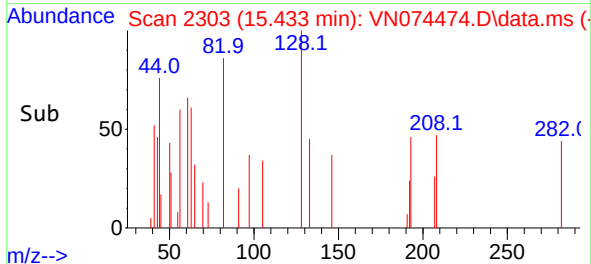
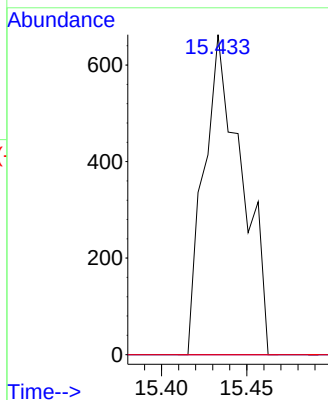
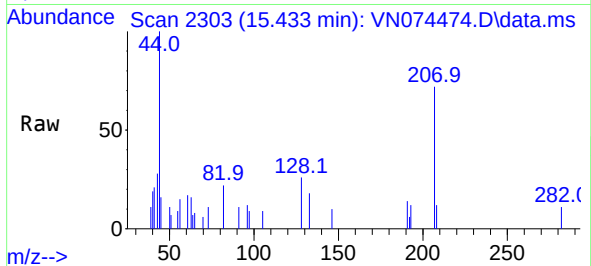




#95
Naphthalene
Concen: 1.623 ug/l
RT: 15.433 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

Instrument :
MSVOA_N
ClientSampleId :
257248-3

Tgt Ion:128 Resp: 1024
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.346 ug/l
RT: 15.645 min Scan# 2339
Delta R.T. 0.018 min
Lab File: VN074474.D
Acq: 15 Sep 2022 20:24

Tgt Ion:180 Resp: 66
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 101.5 15.5 46.5#

