

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
 Data File : VN074585.D
 Acq On : 19 Sep 2022 14:50
 Operator : JC\MD
 Sample : N4526-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

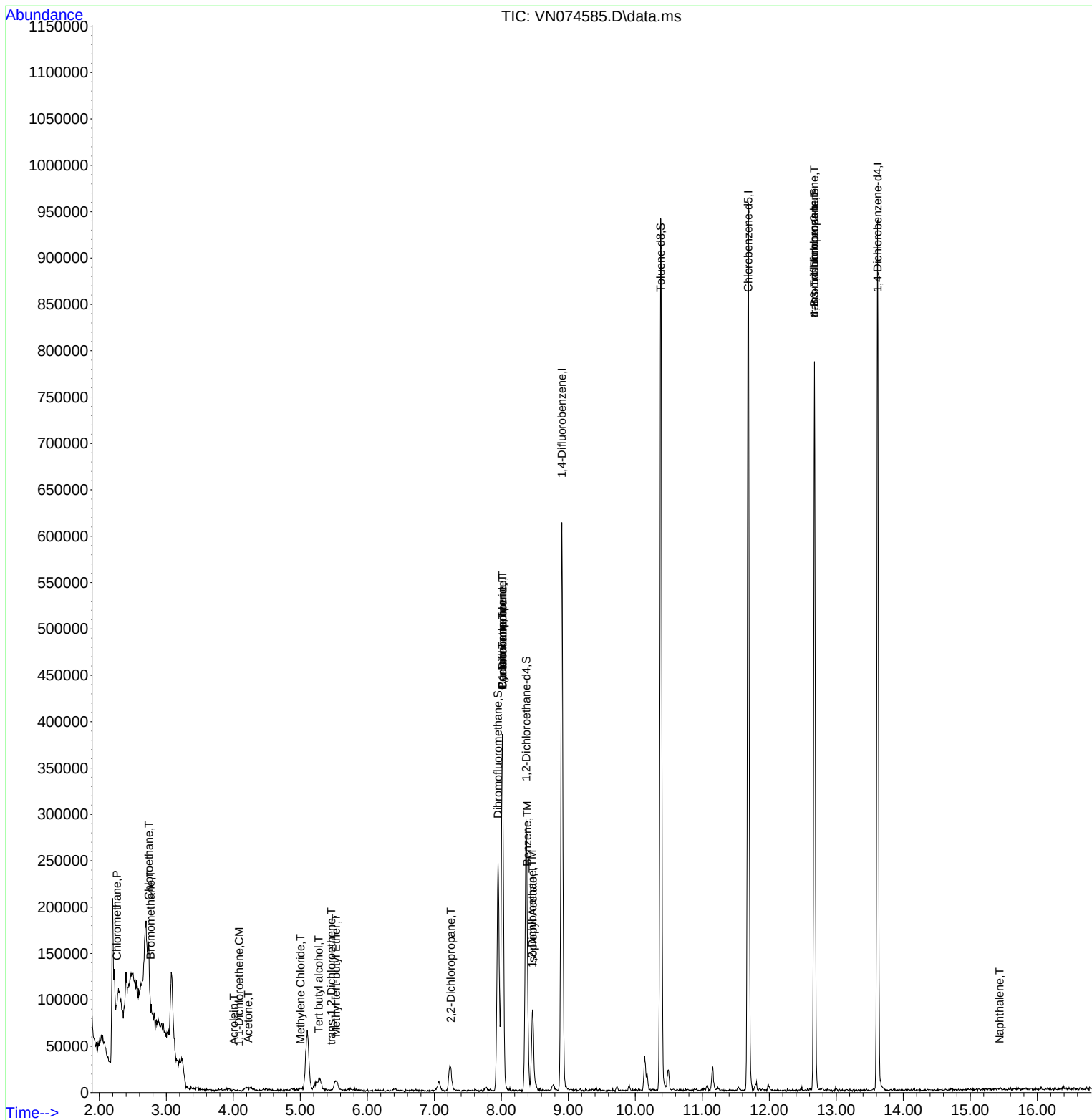
Quant Time: Sep 20 04:19:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

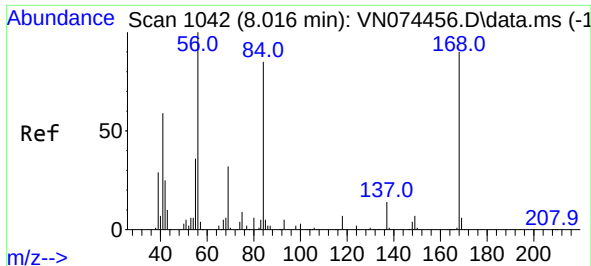
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.016	168	257089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	495269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	490938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	207490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	209503	48.028	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.060%
35) Dibromofluoromethane	7.951	113	168011	51.067	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.140%
50) Toluene-d8	10.380	98	608957	47.860	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.720%
62) 4-Bromofluorobenzene	12.674	95	237819	54.574	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.140%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1774	0.633	ug/l #	83
5) Bromomethane	2.763	94	722	0.272	ug/l #	39
6) Chloroethane	2.740	64	21965	6.385	ug/l #	45
11) Tert butyl alcohol	5.275	59	19191	13.505	ug/l	96
12) 1,1-Dichloroethene	4.087	96	138	0.725	ug/l #	1
13) Acrolein	4.010	56	110	0.212	ug/l #	16
16) Acetone	4.222	43	4917	1.762	ug/l	89
19) Methyl tert-butyl Ether	5.534	73	12996	0.911	ug/l #	86
20) Methylene Chloride	5.004	84	928	0.248	ug/l #	82
21) trans-1,2-Dichloroethene	5.463	96	107	0.458	ug/l #	1
26) 2,2-Dichloropropane	7.245	77	2574	0.368	ug/l #	53
31) Cyclohexane	8.016	56	17931	2.316	ug/l #	68
36) 1,1-Dichloropropene	8.016	75	27197	4.670	ug/l #	48
38) Carbon Tetrachloride	8.016	117	27774	5.166	ug/l #	18
40) Benzene	8.386	78	32168	1.786	ug/l	97
42) 1,2-Dichloroethane	8.463	62	3018	0.488	ug/l	84
43) Isopropyl Acetate	8.469	43	20389	1.447	ug/l #	56
76) 1,2,3-Trichloropropane	12.674	75	141215	22.111	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	141215	47.722	ug/l #	10
95) Naphthalene	15.439	128	1708	1.682	ug/l #	87

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

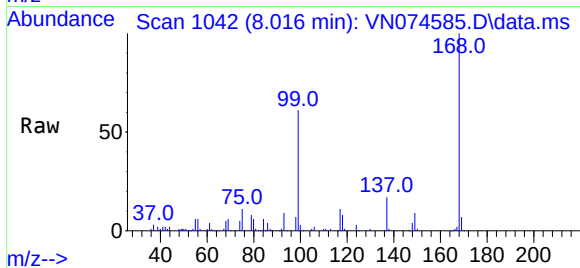
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration



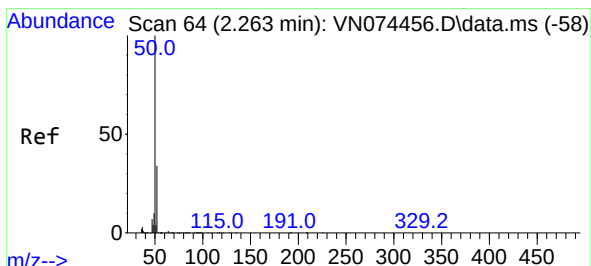
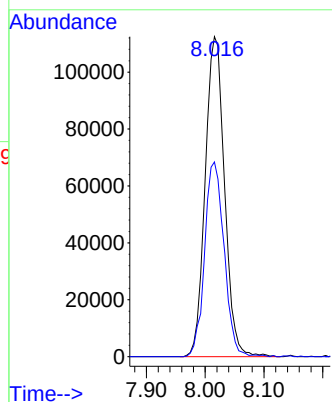
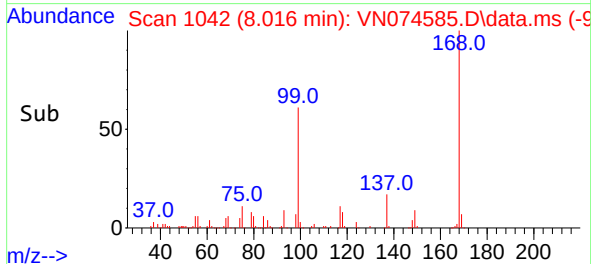


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

Instrument :
MSVOA_N
ClientSampleId :

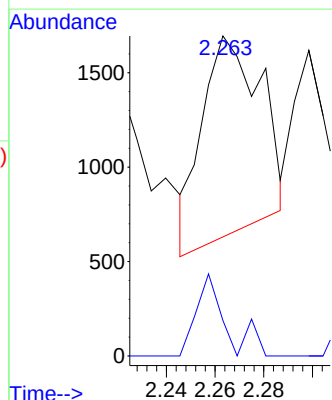
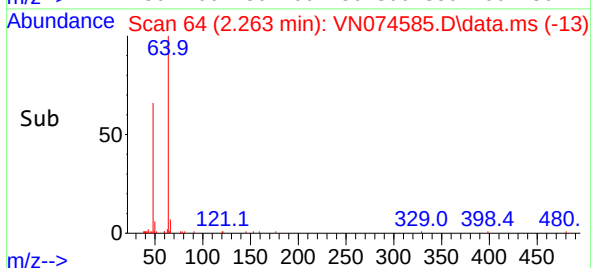
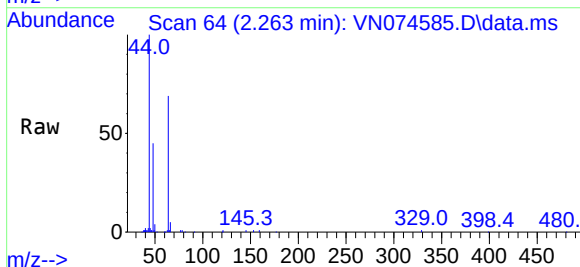


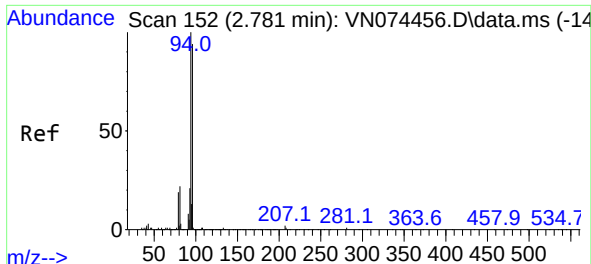
Tgt Ion:168 Resp: 257089
Ion Ratio Lower Upper
168 100
99 60.8 42.3 63.5



#3
Chloromethane
Concen: 0.633 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

Tgt Ion: 50 Resp: 1774
Ion Ratio Lower Upper
50 100
52 22.4 25.7 38.5#

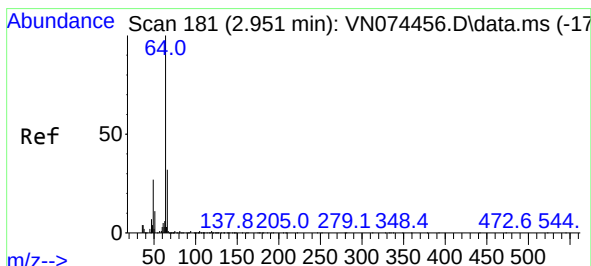
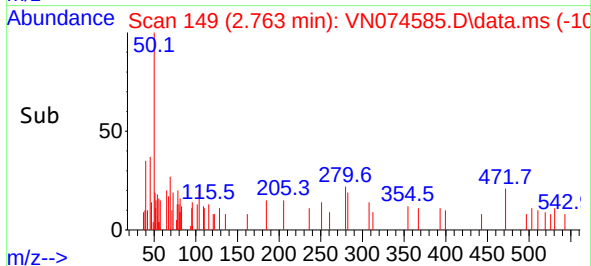
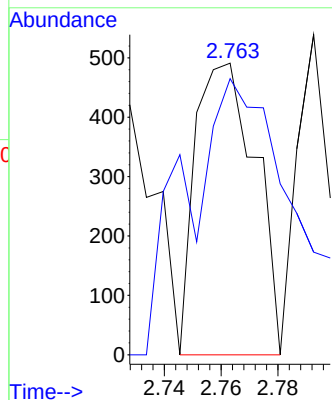
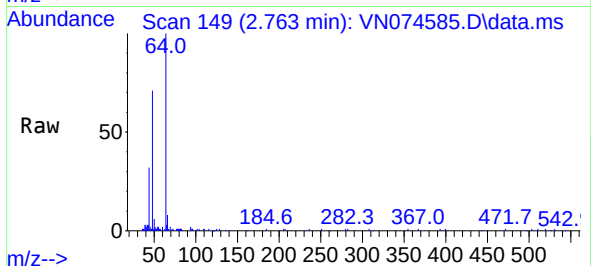




#5
Bromomethane
Concen: 0.272 ug/l
RT: 2.763 min Scan# 14
Delta R.T. -0.018 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

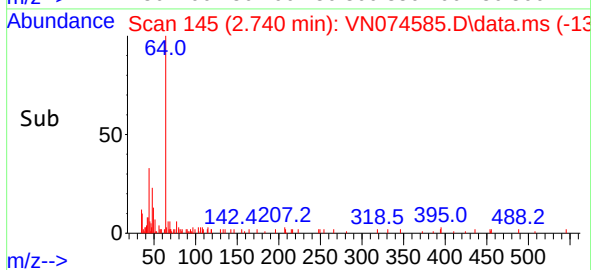
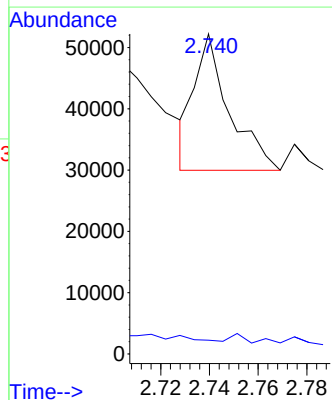
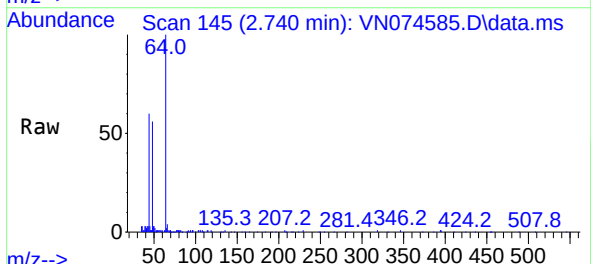
Instrument :
MSVOA_N
ClientSampleId :

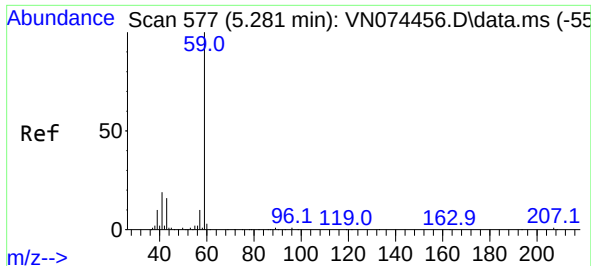
Tgt Ion: 94 Resp: 722
Ion Ratio Lower Upper
94 100
96 36.0 76.0 114.0#



#6
Chloroethane
Concen: 6.385 ug/l
RT: 2.740 min Scan# 145
Delta R.T. -0.211 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

Tgt Ion: 64 Resp: 21965
Ion Ratio Lower Upper
64 100
66 2.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 13.505 ug/l

RT: 5.275 min Scan# 51

Delta R.T. -0.006 min

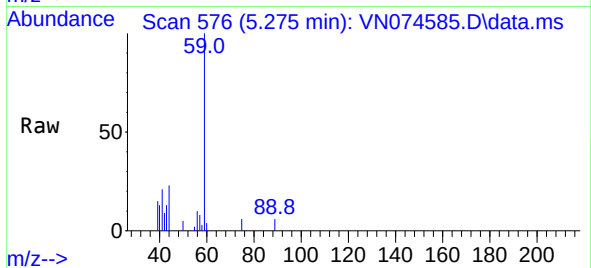
Lab File: VN074585.D

Acq: 19 Sep 2022 14:50

Instrument :

MSVOA_N

ClientSampleId :

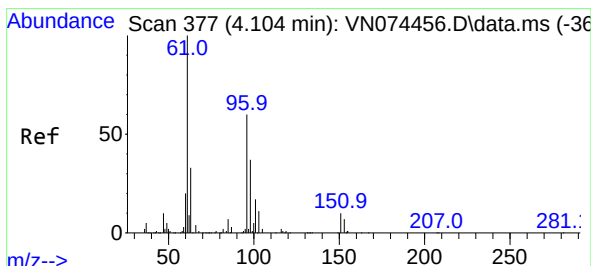
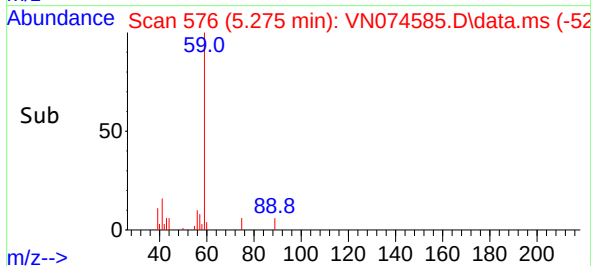
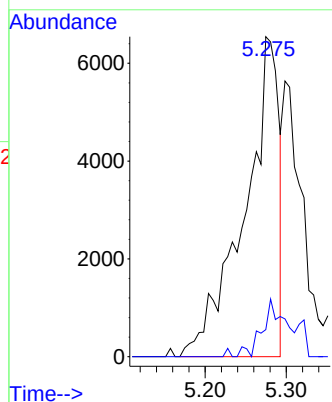


Tgt Ion: 59 Resp: 19191

Ion Ratio Lower Upper

59 100

57 12.0 8.3 12.5



#12

1,1-Dichloroethene

Concen: 0.725 ug/l

RT: 4.087 min Scan# 374

Delta R.T. -0.017 min

Lab File: VN074585.D

Acq: 19 Sep 2022 14:50

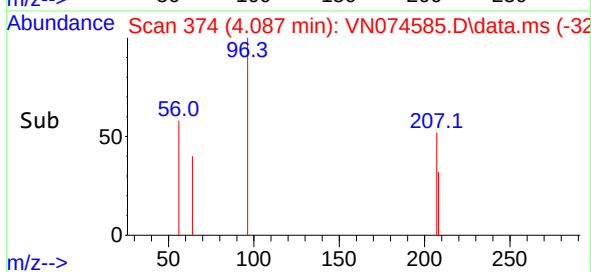
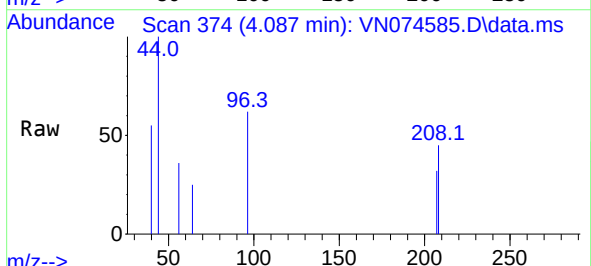
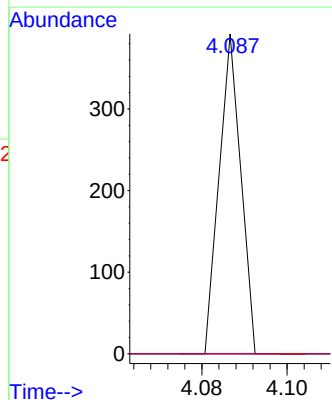
Tgt Ion: 96 Resp: 138

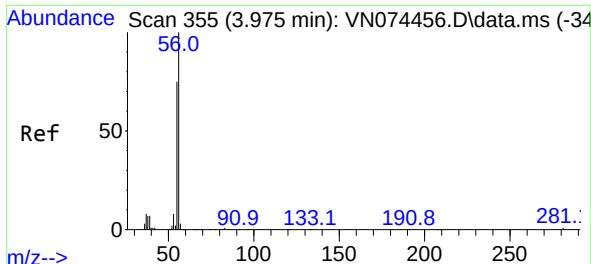
Ion Ratio Lower Upper

96 100

61 0.0 127.6 191.4#

98 0.0 51.2 76.8#

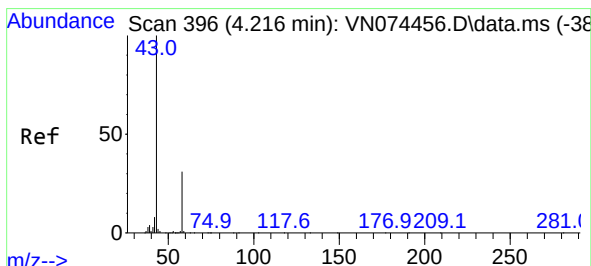
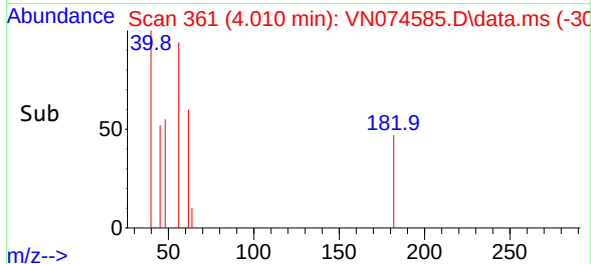
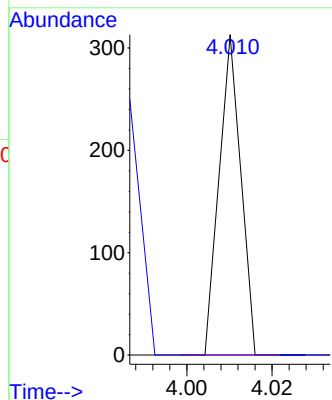
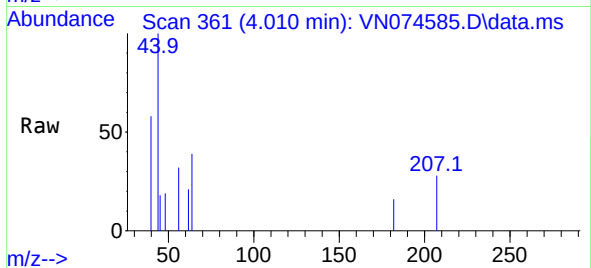




#13
Acrolein
Concen: 0.212 ug/l
RT: 4.010 min Scan# 30
Delta R.T. 0.035 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

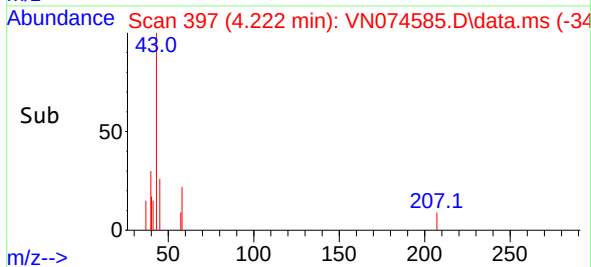
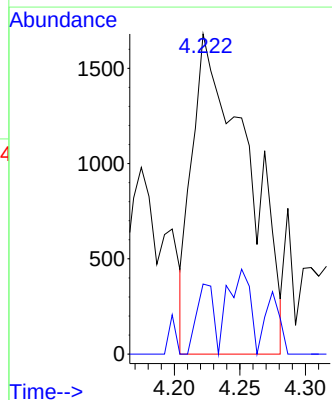
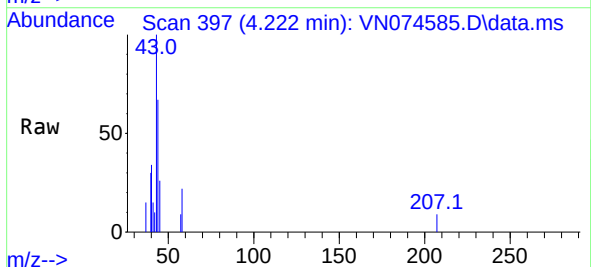
Instrument :
MSVOA_N
ClientSampleId :

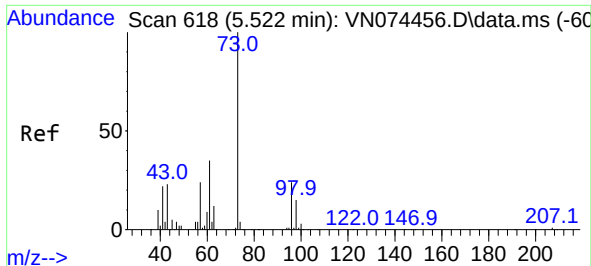
Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 1.762 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

Tgt Ion: 43 Resp: 4917
Ion Ratio Lower Upper
43 100
58 26.4 26.0 39.0





#19

Methyl tert-butyl Ether

Concen: 0.911 ug/l

RT: 5.534 min Scan# 61

Delta R.T. 0.012 min

Lab File: VN074585.D

Acq: 19 Sep 2022 14:50

Instrument :

MSVOA_N

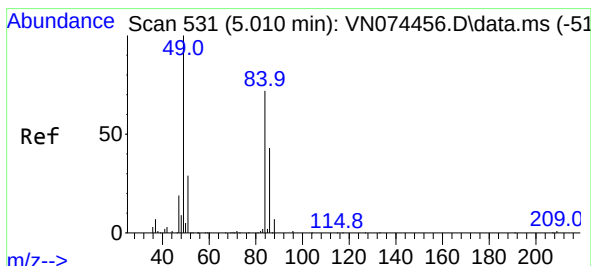
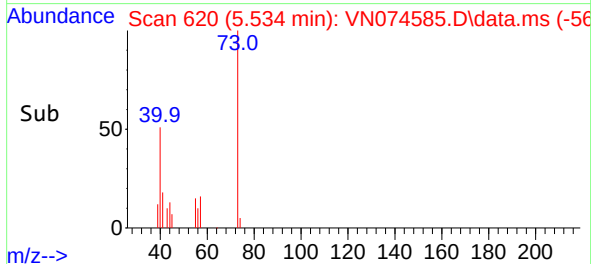
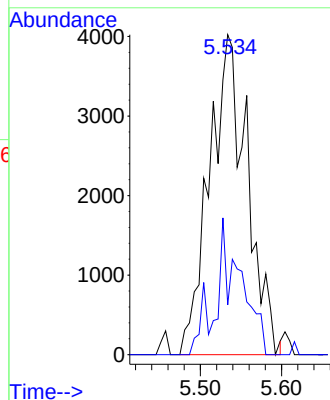
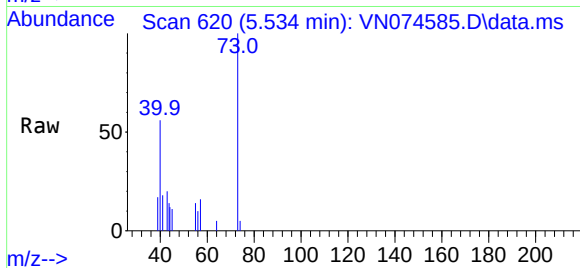
ClientSampleId :

Tgt Ion: 73 Resp: 12996

Ion Ratio Lower Upper

73 100

57 15.6 17.6 26.4#



#20

Methylene Chloride

Concen: 0.248 ug/l

RT: 5.004 min Scan# 530

Delta R.T. -0.006 min

Lab File: VN074585.D

Acq: 19 Sep 2022 14:50

Tgt Ion: 84 Resp: 928

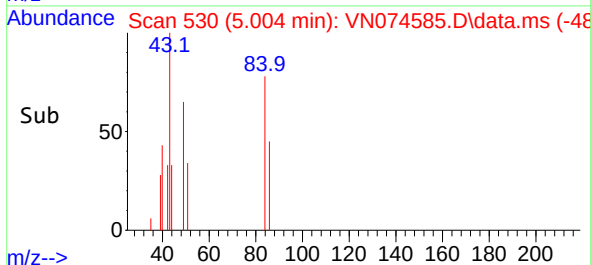
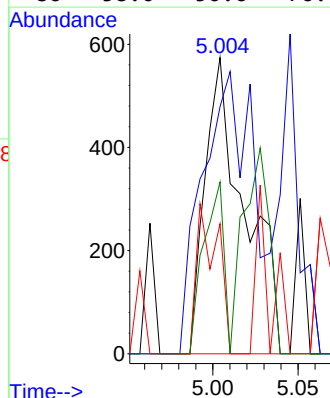
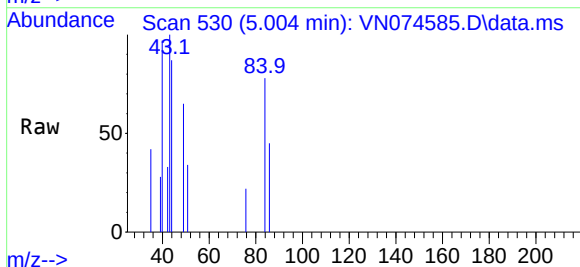
Ion Ratio Lower Upper

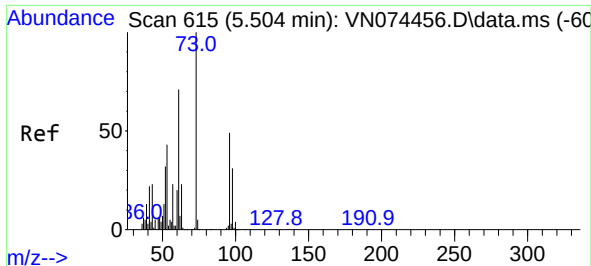
84 100

49 83.4 88.3 132.5#

51 43.9 28.2 42.2#

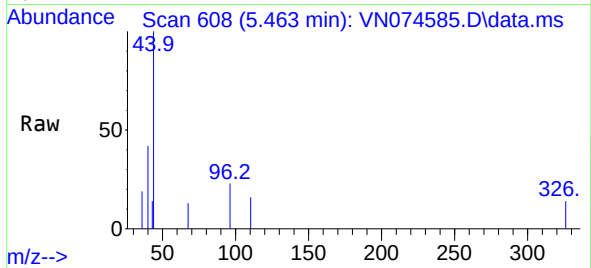
86 58.0 50.6 76.0



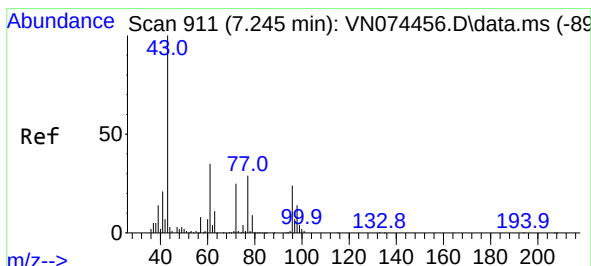
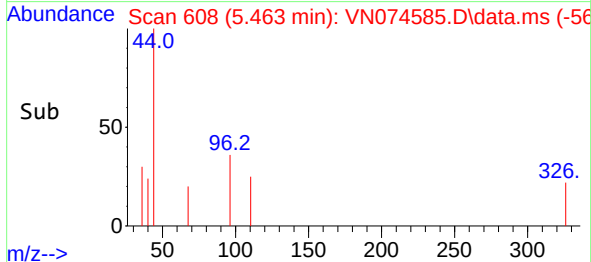
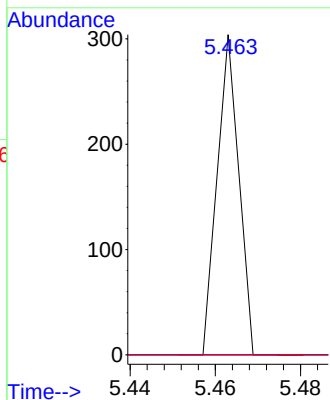


#21
trans-1,2-Dichloroethene
Concen: 0.458 ug/l
RT: 5.463 min Scan# 608
Delta R.T. -0.041 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

Instrument :
MSVOA_N
ClientSampleId :

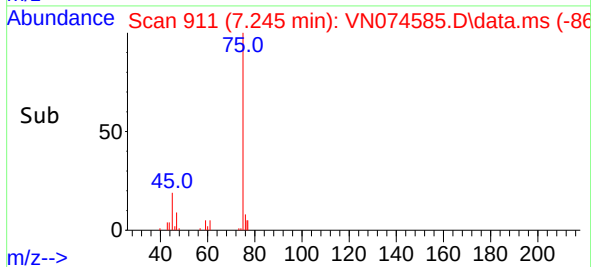
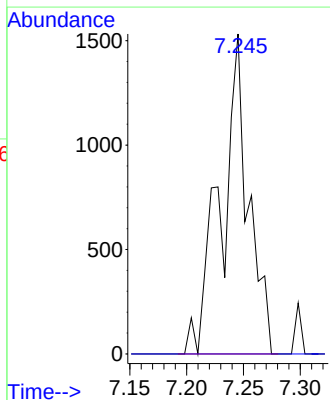
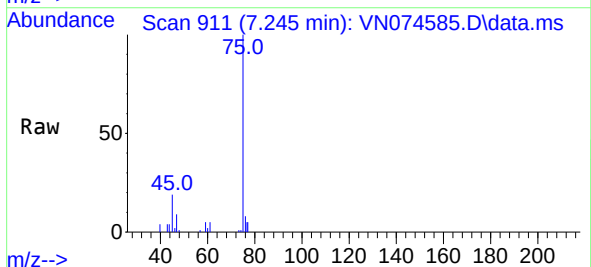


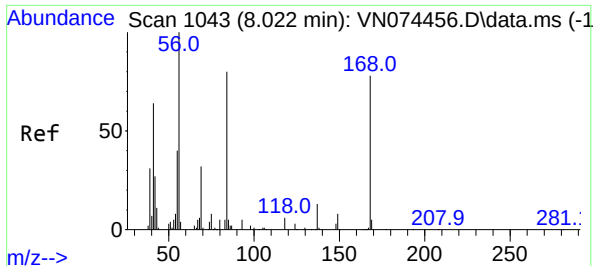
Tgt Ion: 96 Resp: 107
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#



#26
2,2-Dichloropropane
Concen: 0.368 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

Tgt Ion: 77 Resp: 2574
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#31

Cyclohexane

Concen: 2.316 ug/l

RT: 8.016 min Scan# 1103

Delta R.T. -0.006 min

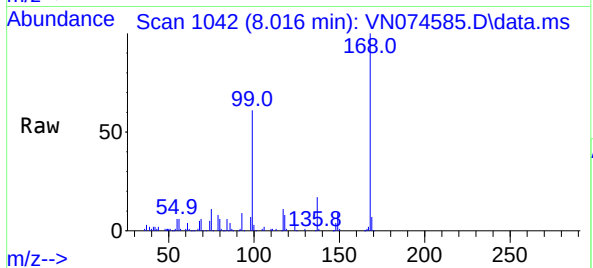
Lab File: VN074585.D

Acq: 19 Sep 2022 14:50

Instrument :

MSVOA_N

ClientSampleId :



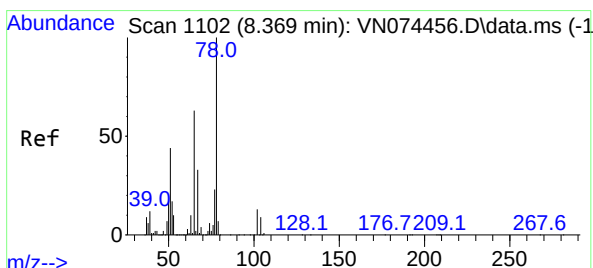
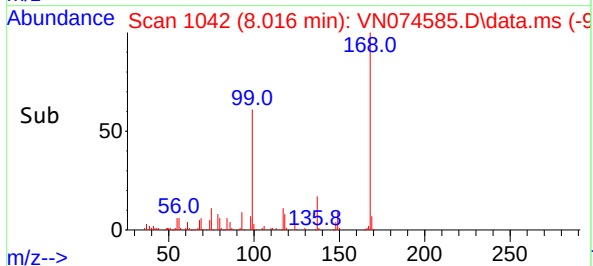
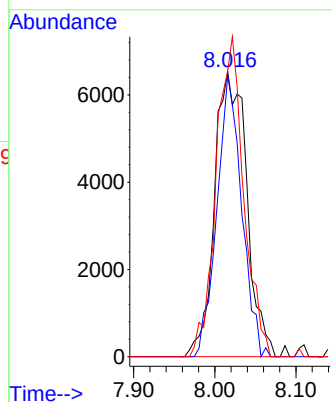
Tgt Ion: 56 Resp: 17931

Ion Ratio Lower Upper

56 100

69 98.6 27.8 41.8#

84 100.3 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 48.028 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN074585.D

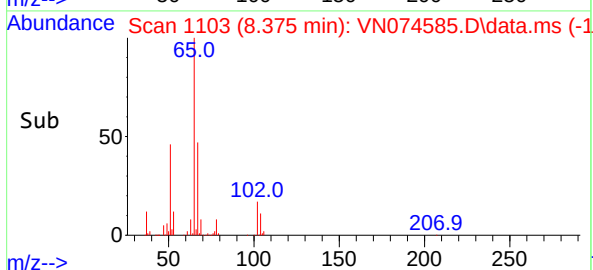
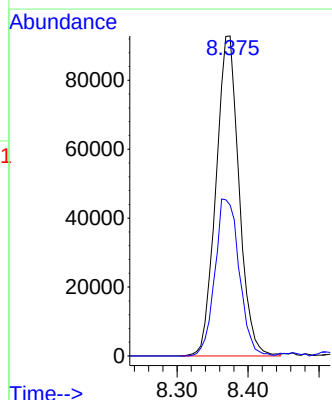
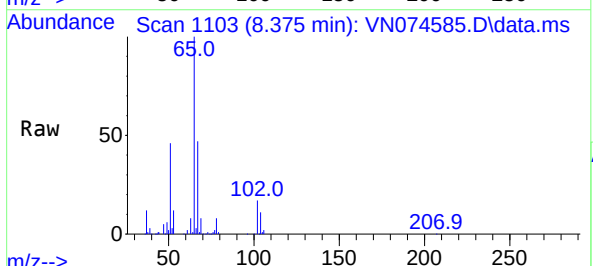
Acq: 19 Sep 2022 14:50

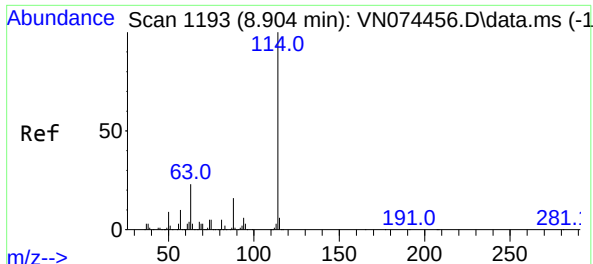
Tgt Ion: 65 Resp: 209503

Ion Ratio Lower Upper

65 100

67 51.6 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: VN074585.D

Acq: 19 Sep 2022 14:50

Instrument :

MSVOA_N

ClientSampleId :

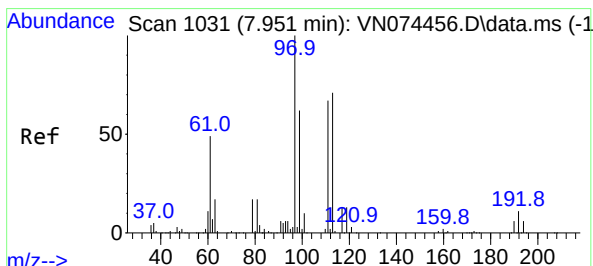
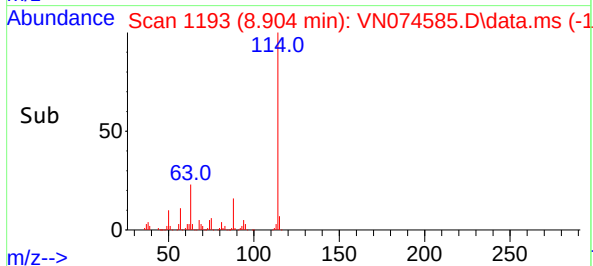
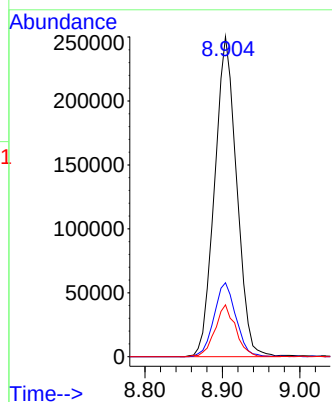
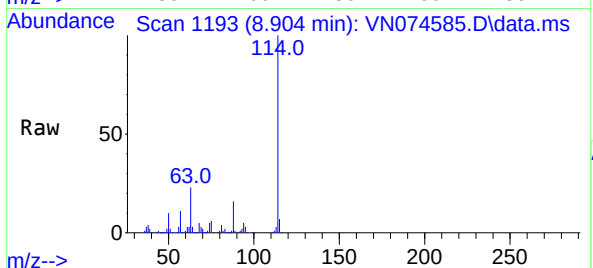
Tgt Ion:114 Resp: 495269

Ion Ratio Lower Upper

114 100

63 23.1 0.0 40.0

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.067 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074585.D

Acq: 19 Sep 2022 14:50

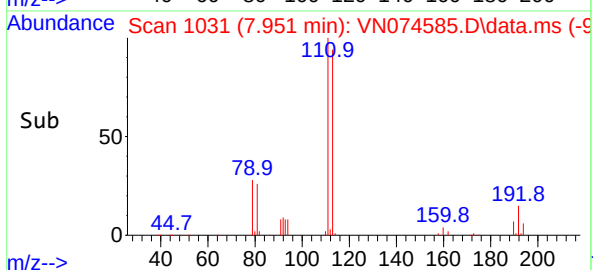
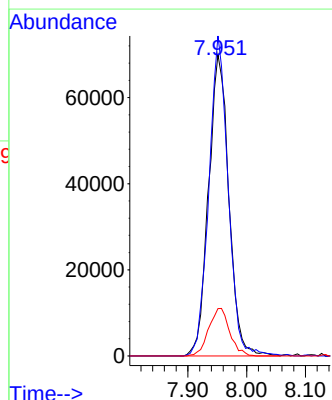
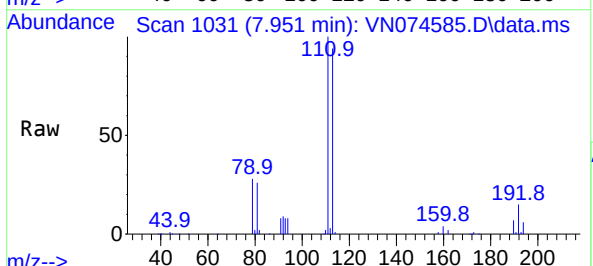
Tgt Ion:113 Resp: 168011

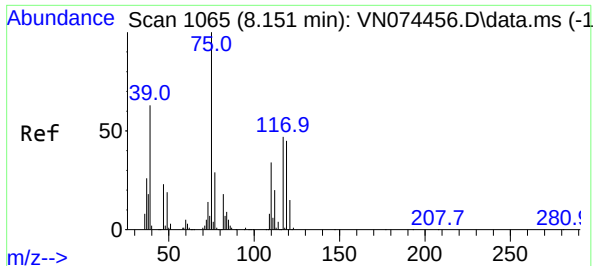
Ion Ratio Lower Upper

113 100

111 100.8 81.4 122.0

192 16.3 17.0 25.6#

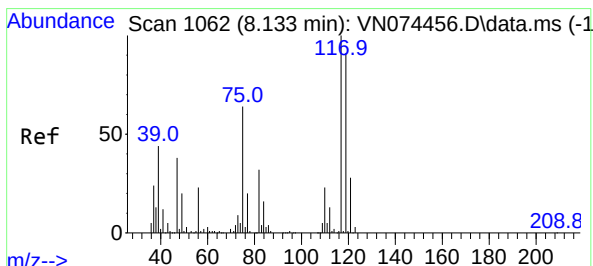
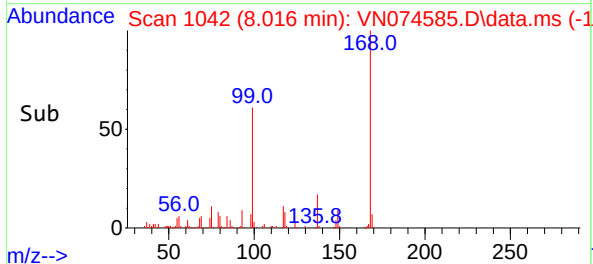
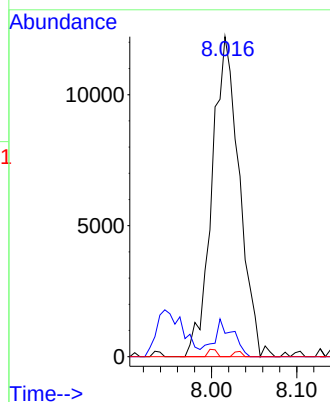
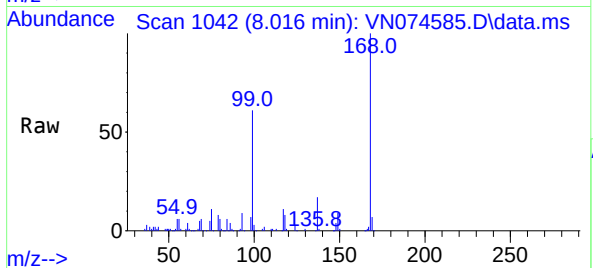




#36
1,1-Dichloropropene
Concen: 4.670 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

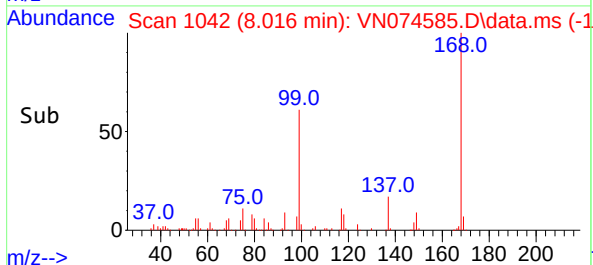
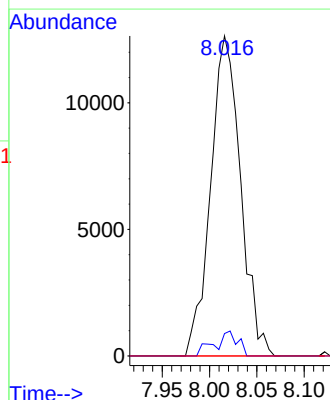
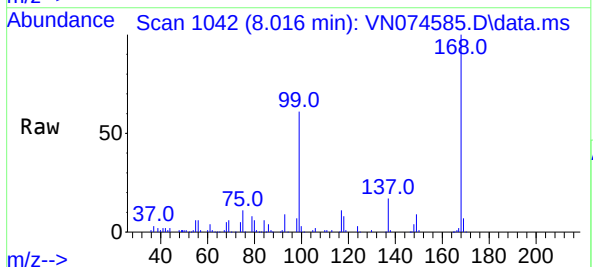
Instrument :
MSVOA_N
ClientSampleId :

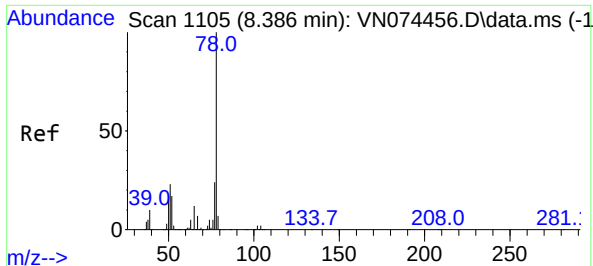
Tgt Ion: 75 Resp: 27197
Ion Ratio Lower Upper
75 100
110 8.2 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.166 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

Tgt Ion: 117 Resp: 27774
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.8#
121 0.0 24.6 37.0#

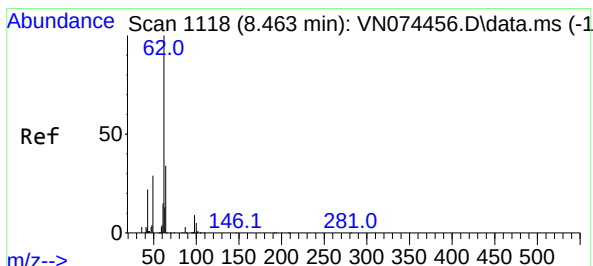
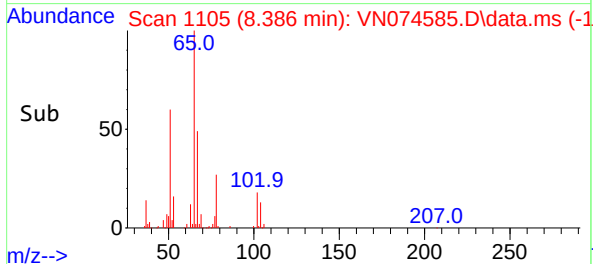
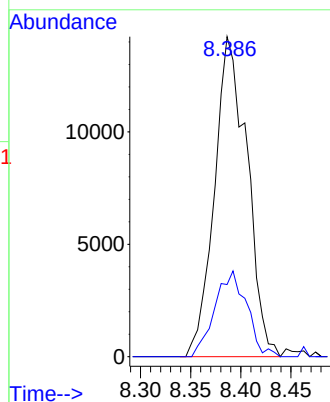
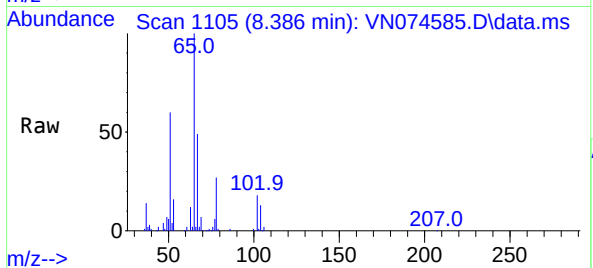




#40
Benzene
Concen: 1.786 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

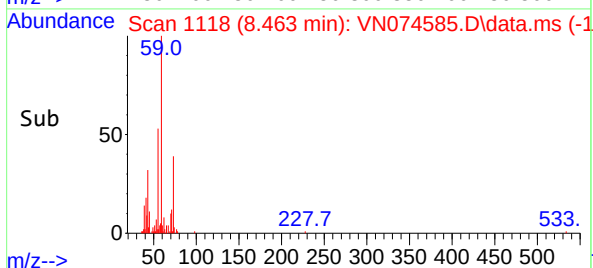
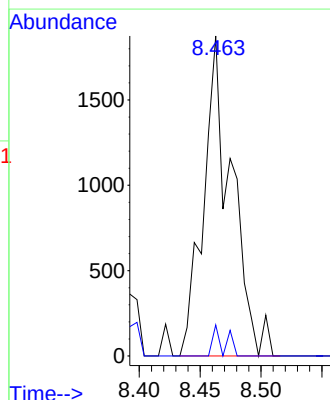
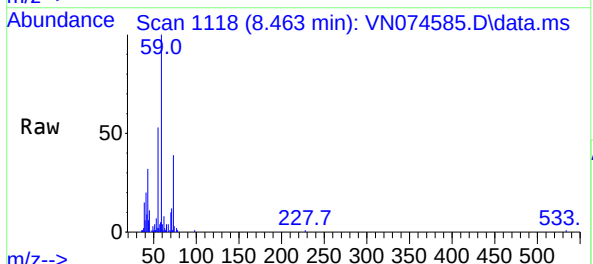
Instrument :
MSVOA_N
ClientSampleId :

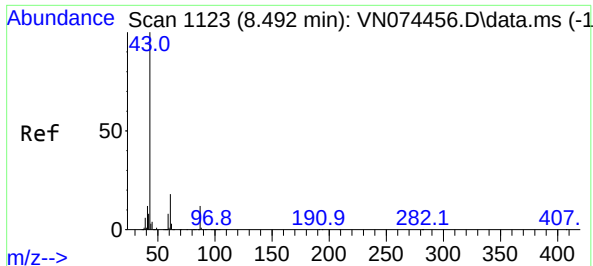
Tgt Ion: 78 Resp: 32168
Ion Ratio Lower Upper
78 100
77 22.6 19.4 29.0



#42
1,2-Dichloroethane
Concen: 0.488 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. -0.000 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

Tgt Ion: 62 Resp: 3018
Ion Ratio Lower Upper
62 100
98 3.9 0.0 19.4

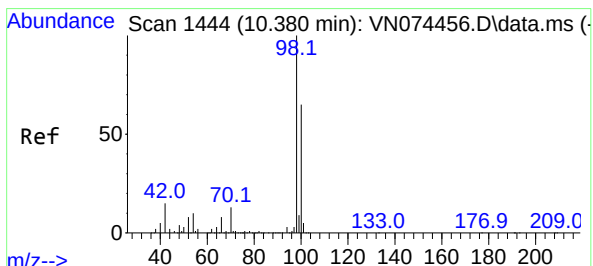
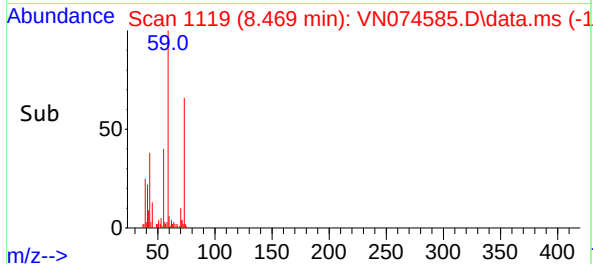
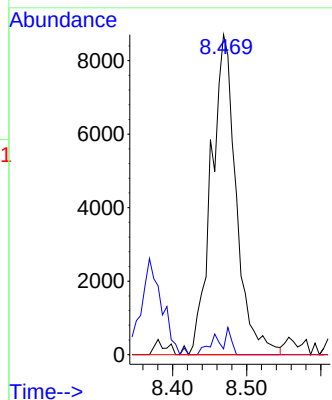
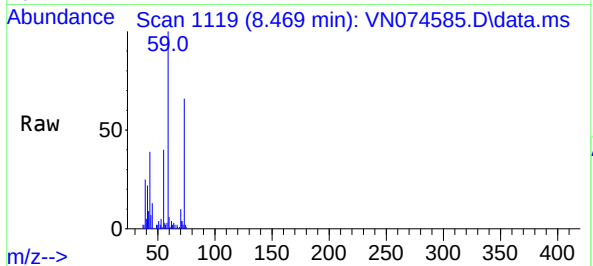




#43
Isopropyl Acetate
Concen: 1.447 ug/l
RT: 8.469 min Scan# 1123
Delta R.T. -0.023 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

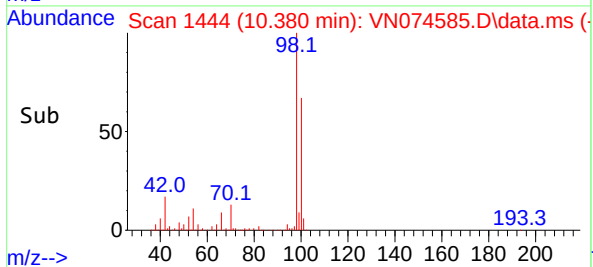
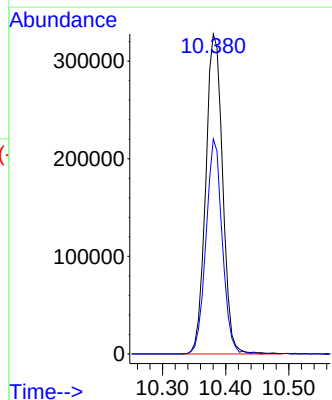
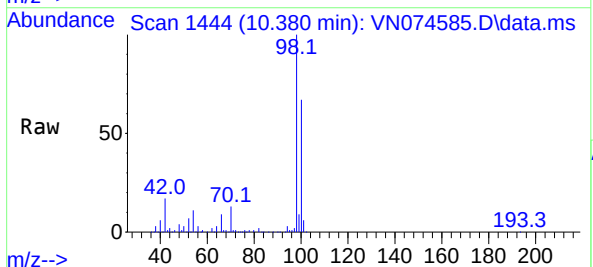
Instrument :
MSVOA_N
ClientSampleId :

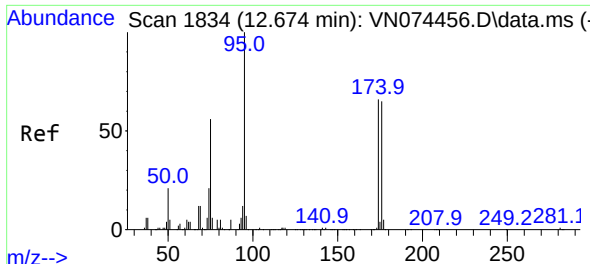
Tgt Ion: 43 Resp: 20389
Ion Ratio Lower Upper
43 100
61 1.9 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 47.860 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

Tgt Ion: 98 Resp: 608957
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8

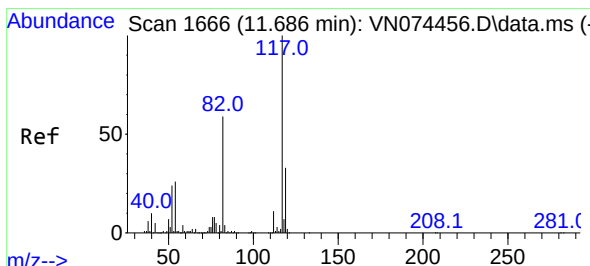
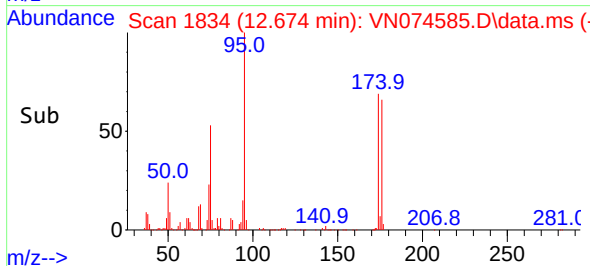
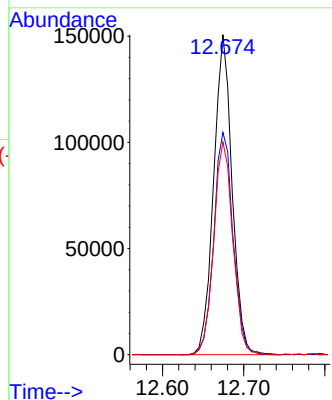
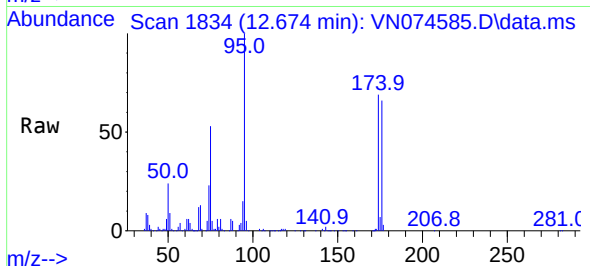




#62
4-Bromofluorobenzene
Concen: 54.574 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

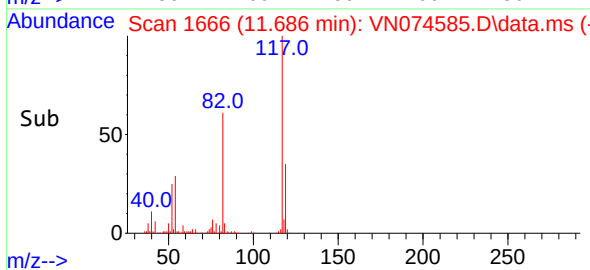
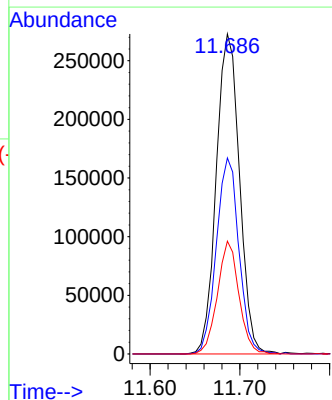
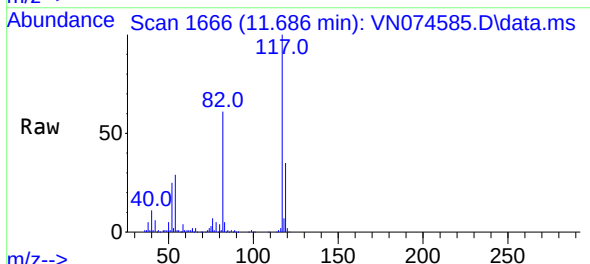
Instrument :
MSVOA_N
ClientSampleId :

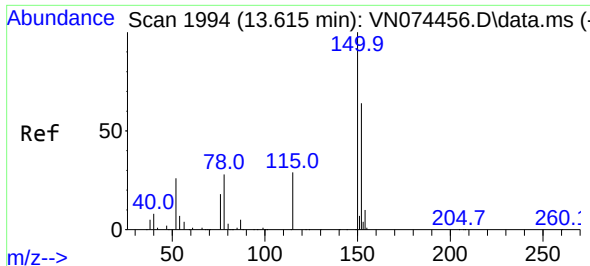
Tgt Ion: 95 Resp: 237819
Ion Ratio Lower Upper
95 100
174 72.4 0.0 167.6
176 68.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

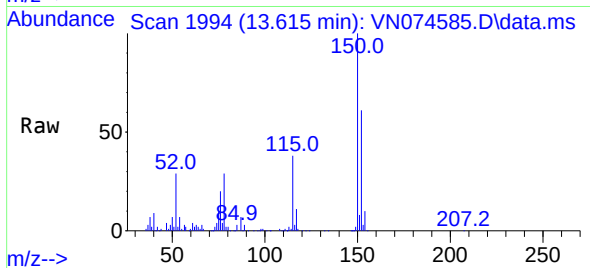
Tgt Ion: 117 Resp: 490938
Ion Ratio Lower Upper
117 100
82 61.2 44.2 66.2
119 35.2 25.4 38.0





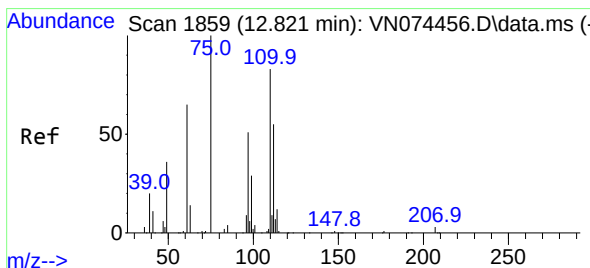
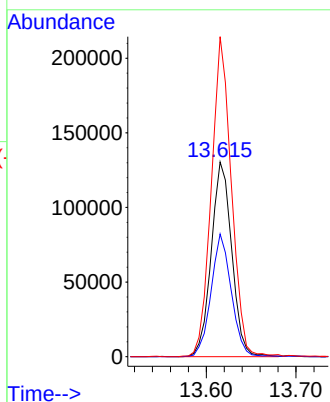
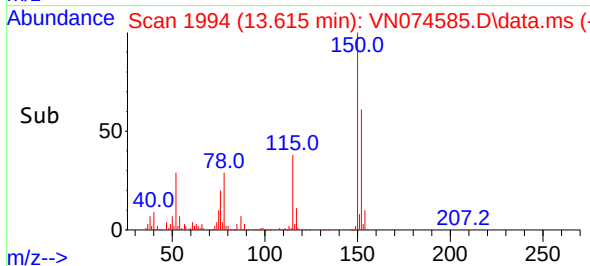
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN074585.D
 Acq: 19 Sep 2022 14:50

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:152 Resp: 207490

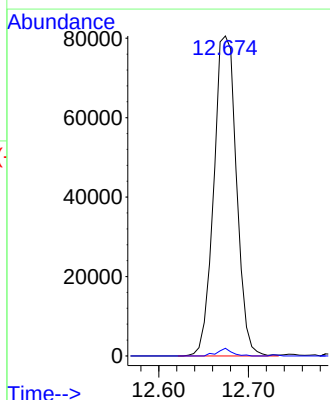
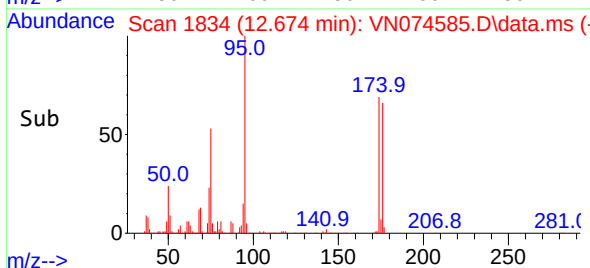
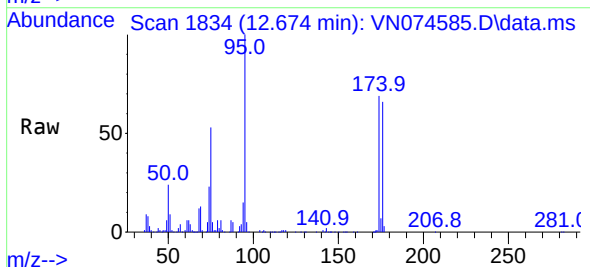
Ion	Ratio	Lower	Upper
152	100		
115	62.2	28.9	86.7
150	161.1	0.0	356.2

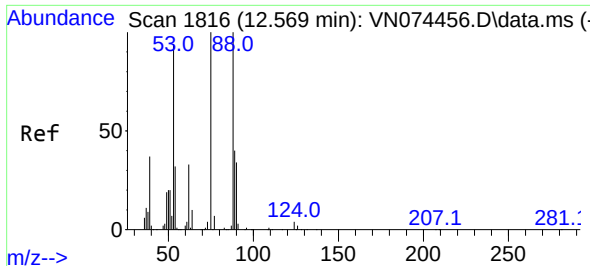


#76
 1,2,3-Trichloropropane
 Concen: 22.111 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN074585.D
 Acq: 19 Sep 2022 14:50

Tgt Ion: 75 Resp: 141215

Ion	Ratio	Lower	Upper
75	100		
77	1.6	98.5	295.5#

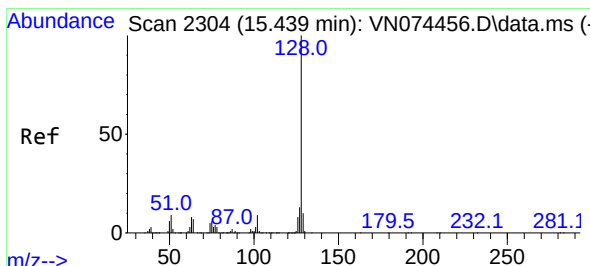
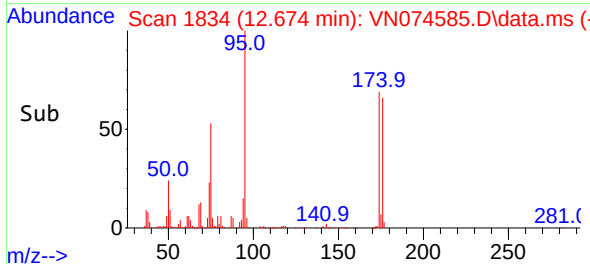
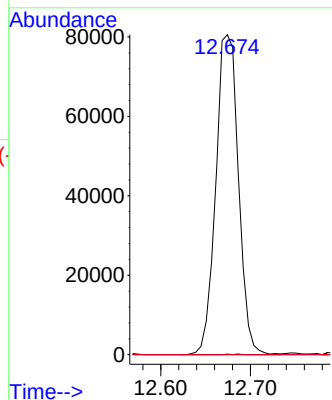
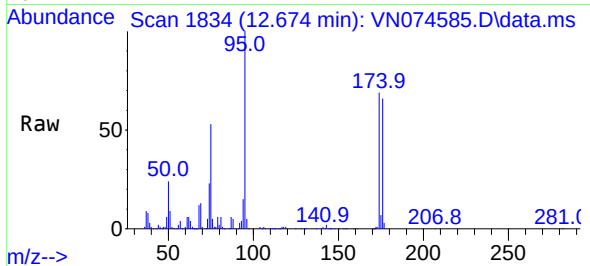




#81
trans-1,4-Dichloro-2-butene
Concen: 47.722 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.105 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 141215
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.682 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN074585.D
Acq: 19 Sep 2022 14:50

Tgt Ion:128 Resp: 1708
Ion Ratio Lower Upper
128 100
127 3.2 10.3 15.5#
129 10.8 8.6 13.0

