

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072522\
 Data File : VN073581.D
 Acq On : 25 Jul 2022 15:58
 Operator : JC\MD
 Sample : PB146364ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146364ZHE#01

Quant Time: Jul 26 02:17:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

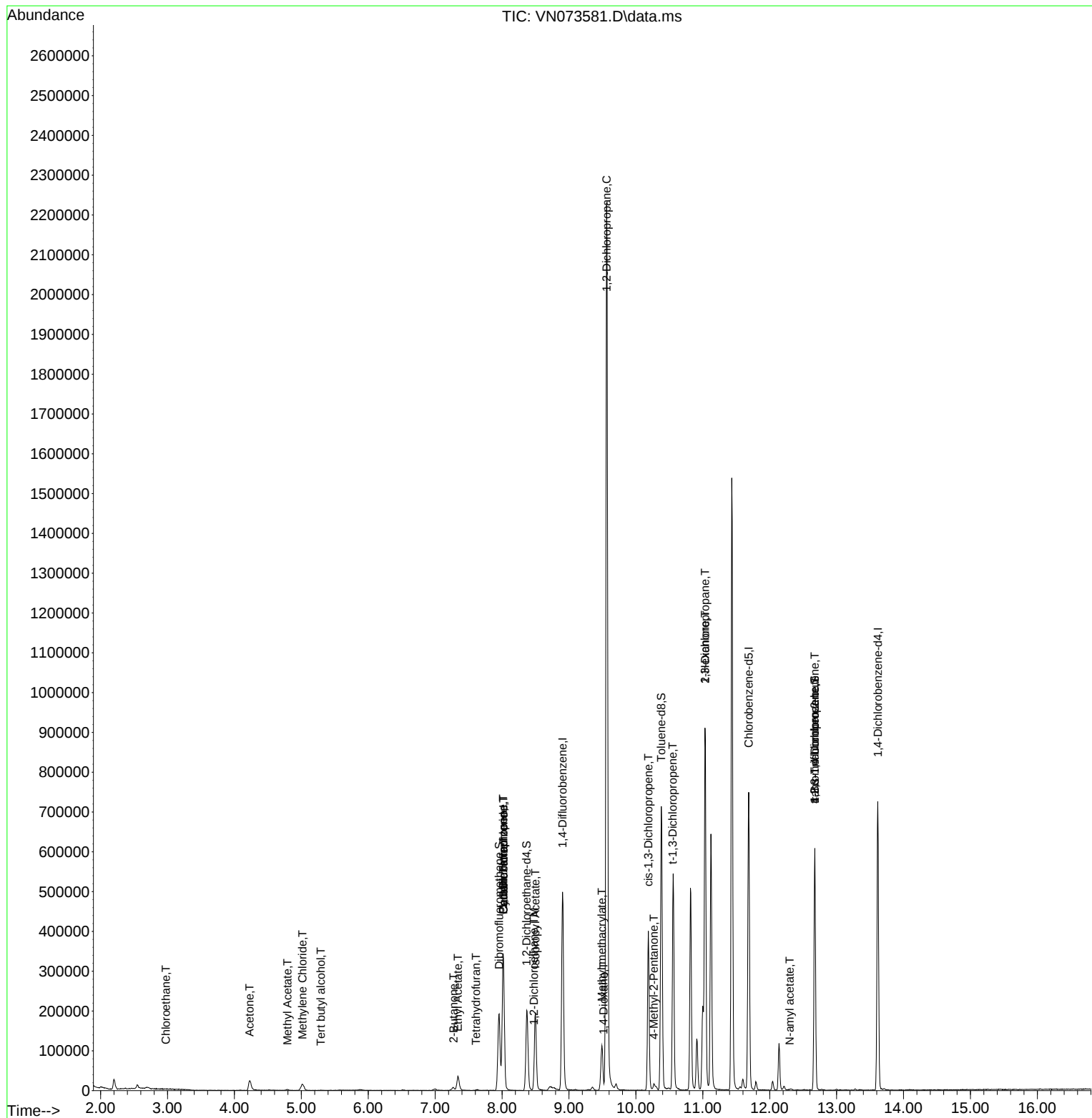
Internal Standards						
1) Pentafluorobenzene	8.022	168	256784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	429645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	418394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	193180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	166033	44.790	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.580%		
35) Dibromofluoromethane	7.957	113	141311	49.436	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.880%		
50) Toluene-d8	10.380	98	478670	47.149	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.300%		
62) 4-Bromofluorobenzene	12.674	95	196917	50.472	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.940%		
Target Compounds						
					Qvalue	
6) Chloroethane	2.975	64	466	0.256	ug/l #	42
11) Tert butyl alcohol	5.292	59	598	0.666	ug/l #	72
16) Acetone	4.228	43	46108	22.159	ug/l	93
18) Methyl Acetate	4.792	43	4213	0.723	ug/l #	82
20) Methylene Chloride	5.016	84	11800	3.227	ug/l	85
25) 2-Butanone	7.275	43	10435	3.150	ug/l #	84
29) Tetrahydrofuran	7.610	42	653	0.288	ug/l #	88
31) Cyclohexane	8.022	56	6435	1.060	ug/l #	56
36) 1,1-Dichloropropene	8.016	75	20483	4.657	ug/l #	48
37) Ethyl Acetate	7.339	43	59006	8.879	ug/l #	93
38) Carbon Tetrachloride	8.022	117	26844	5.902	ug/l #	18
42) 1,2-Dichloroethane	8.475	62	1125	0.229	ug/l #	74
43) Isopropyl Acetate	8.498	43	228146	23.887	ug/l #	85
45) 1,2-Dichloropropane	9.563	63	2771	0.801	ug/l #	44
48) Methyl methacrylate	9.492	41	8253	1.866	ug/l #	39
49) 1,4-Dioxane	9.516	88	65	0.774	ug/l #	25
51) 4-Methyl-2-Pentanone	10.269	43	18407	3.039	ug/l #	70
53) t-1,3-Dichloropropene	10.551	75	1079	0.215	ug/l #	23
54) cis-1,3-Dichloropropene	10.186	75	66749	12.344	ug/l #	72
57) 1,3-Dichloropropane	11.033	76	8856	1.496	ug/l #	42
59) 2-Hexanone	11.033	43	128232	27.774	ug/l #	48
74) N-amyl acetate	12.298	43	3566	0.427	ug/l #	39
76) 1,2,3-Trichloropropane	12.674	75	103671	20.524	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	103671	56.286	ug/l #	11

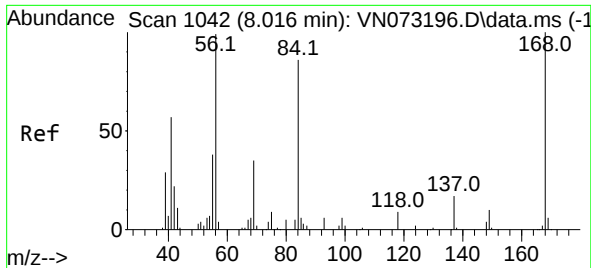
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072522\
Data File : VN073581.D
Acq On : 25 Jul 2022 15:58
Operator : JC\MD
Sample : PB146364ZHE#01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#01

Quant Time: Jul 26 02:17:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration

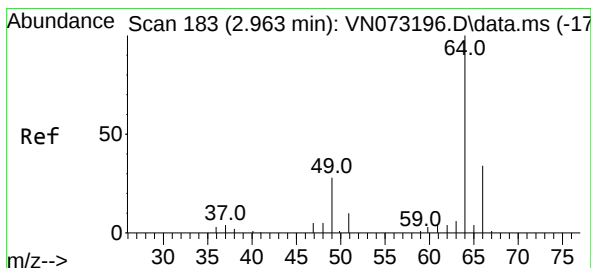
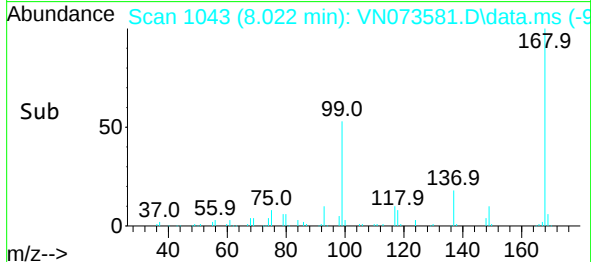
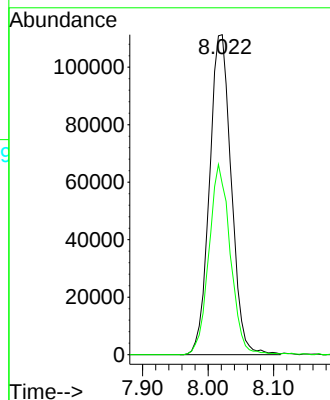
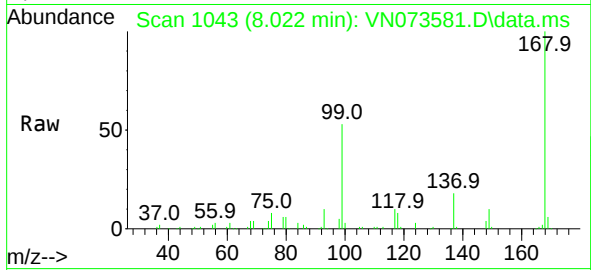




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

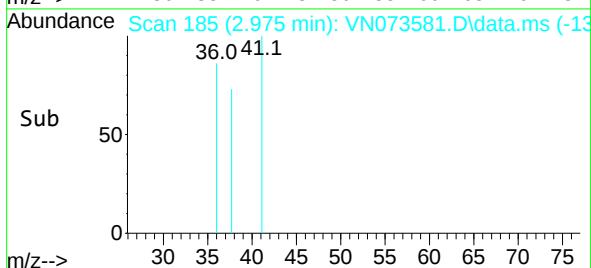
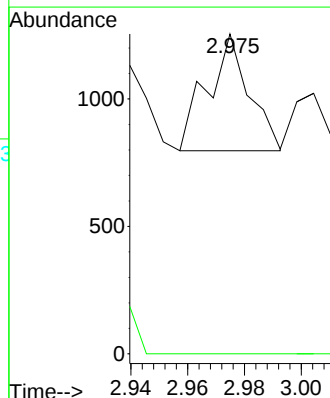
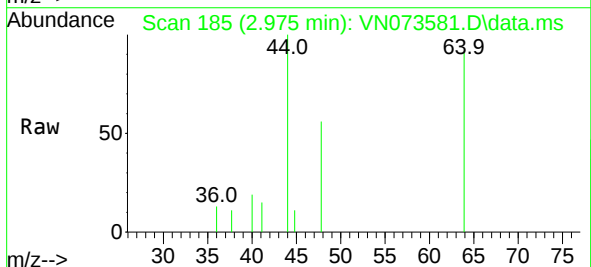
Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#01

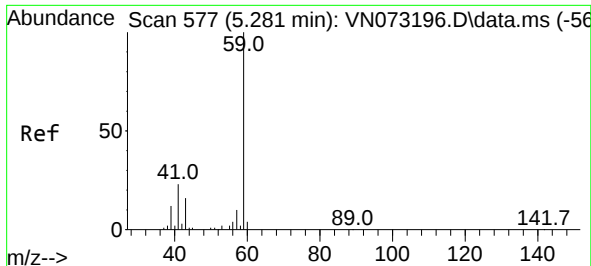
Tgt Ion:168 Resp: 256784
Ion Ratio Lower Upper
168 100
99 53.3 42.3 63.5



#6
Chloroethane
Concen: 0.256 ug/l
RT: 2.975 min Scan# 185
Delta R.T. 0.012 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

Tgt Ion: 64 Resp: 466
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

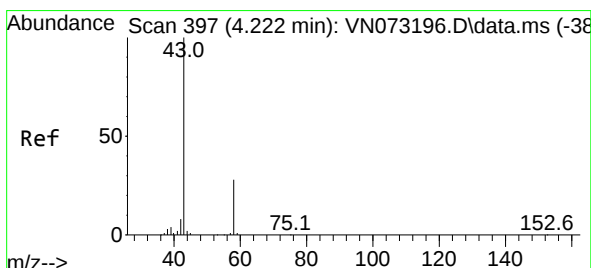
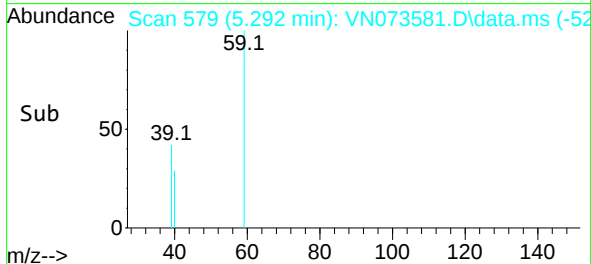
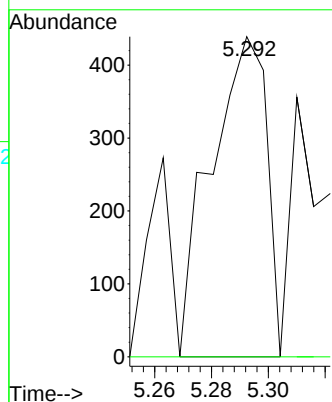
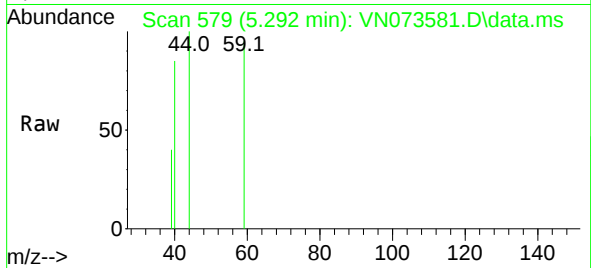




#11
Tert butyl alcohol
Concen: 0.666 ug/l
RT: 5.292 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

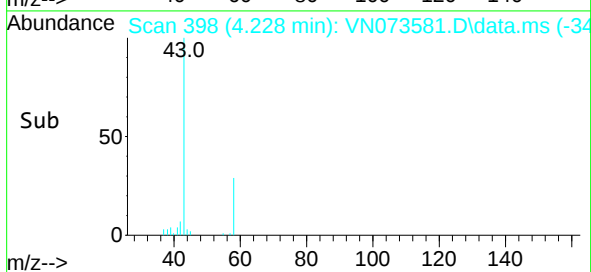
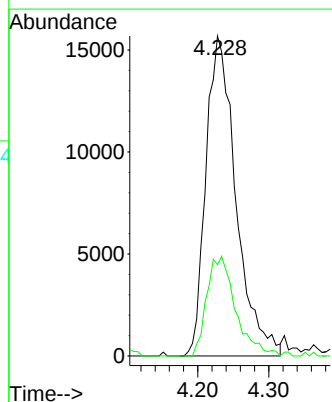
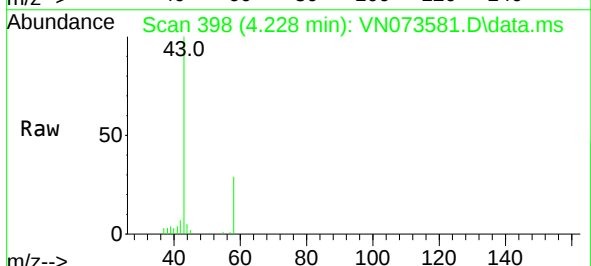
Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#01

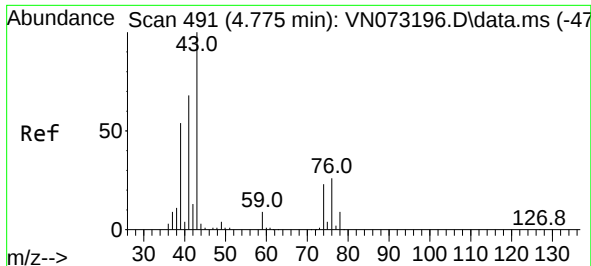
Tgt Ion: 59 Resp: 598
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 22.159 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

Tgt Ion: 43 Resp: 46108
Ion Ratio Lower Upper
43 100
58 28.5 26.0 39.0

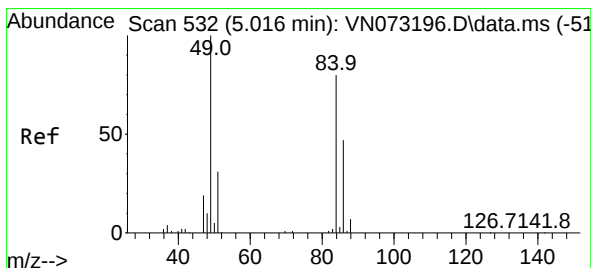
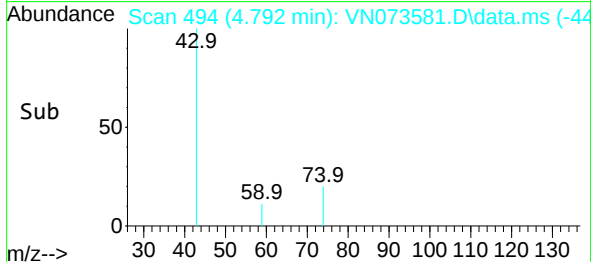
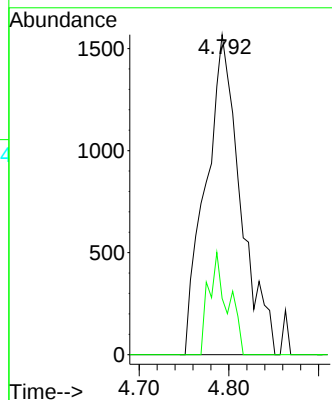
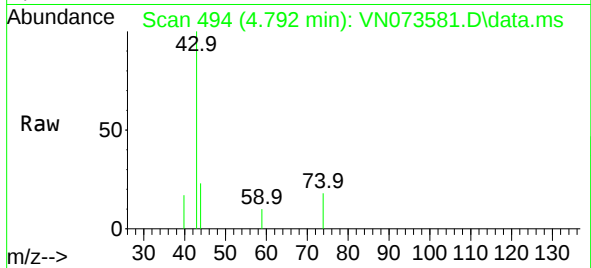




#18
Methyl Acetate
Concen: 0.723 ug/l
RT: 4.792 min Scan# 491
Delta R.T. 0.017 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

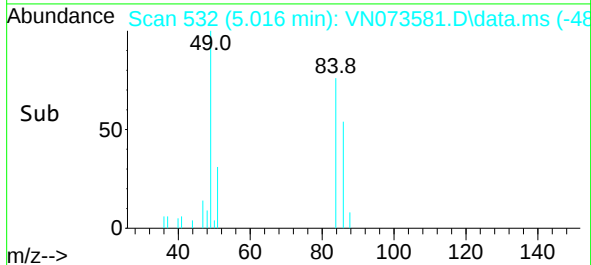
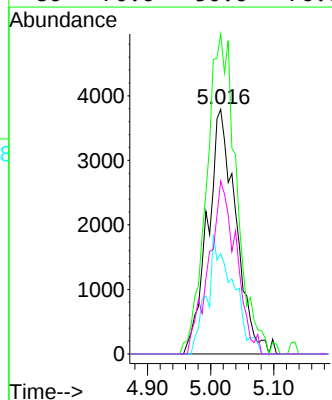
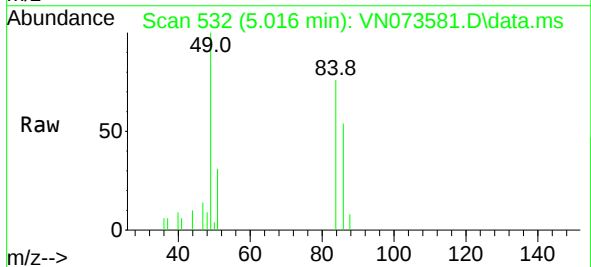
Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#01

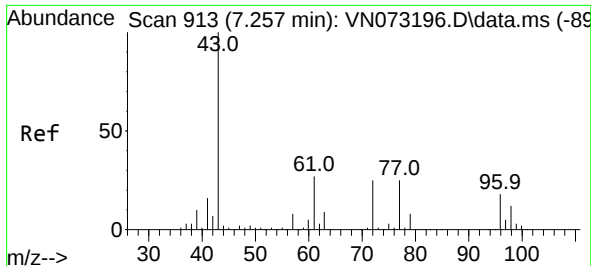
Tgt Ion: 43 Resp: 4213
Ion Ratio Lower Upper
43 100
74 17.7 21.6 32.4#



#20
Methylene Chloride
Concen: 3.227 ug/l
RT: 5.016 min Scan# 532
Delta R.T. -0.000 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

Tgt Ion: 84 Resp: 11800
Ion Ratio Lower Upper
84 100
49 130.8 88.3 132.5
51 41.0 28.2 42.2
86 70.6 50.6 76.0





#25

2-Butanone

Concen: 3.150 ug/l

RT: 7.275 min Scan# 913

Delta R.T. 0.018 min

Lab File: VN073581.D

Acq: 25 Jul 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

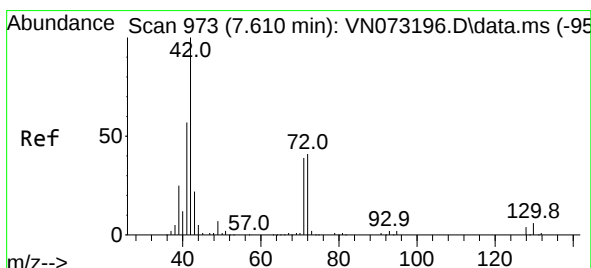
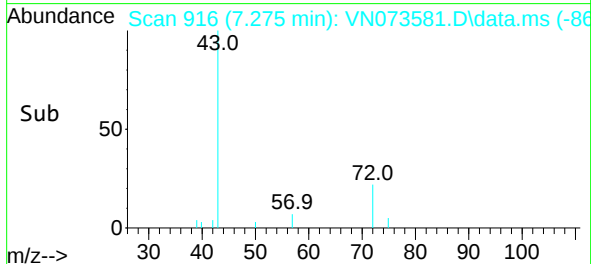
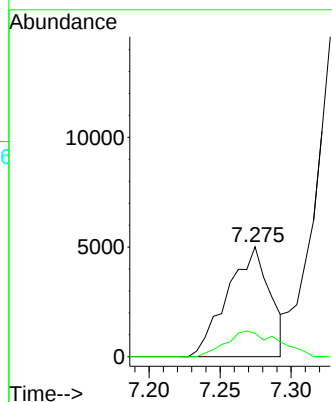
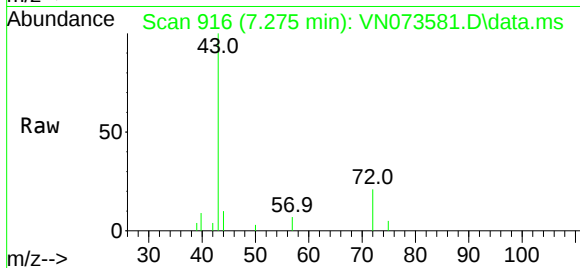
PB146364ZHE#01

Tgt Ion: 43 Resp: 10435

Ion Ratio Lower Upper

43 100

72 21.0 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.288 ug/l

RT: 7.610 min Scan# 973

Delta R.T. -0.000 min

Lab File: VN073581.D

Acq: 25 Jul 2022 15:58

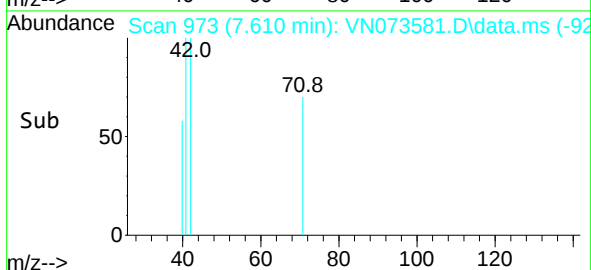
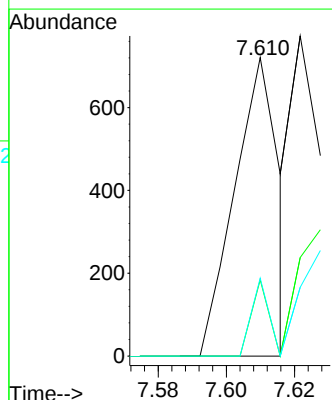
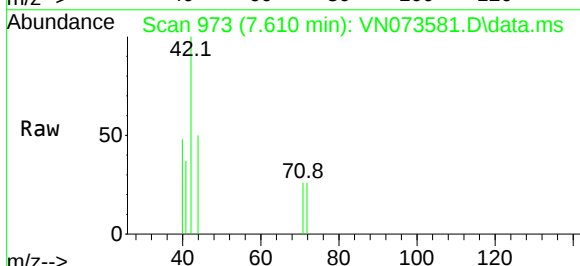
Tgt Ion: 42 Resp: 653

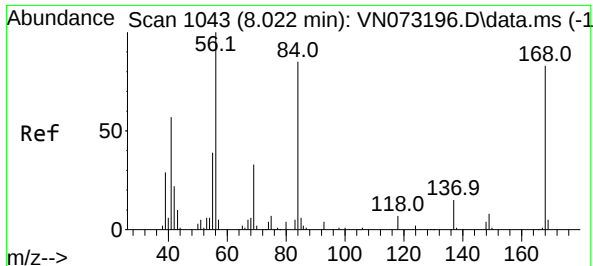
Ion Ratio Lower Upper

42 100

72 39.4 39.7 59.5#

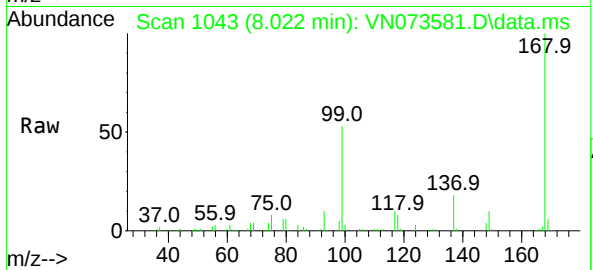
71 52.2 36.6 55.0



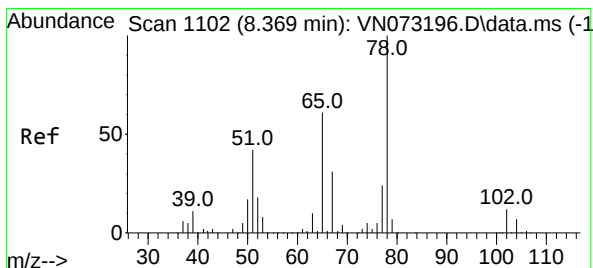
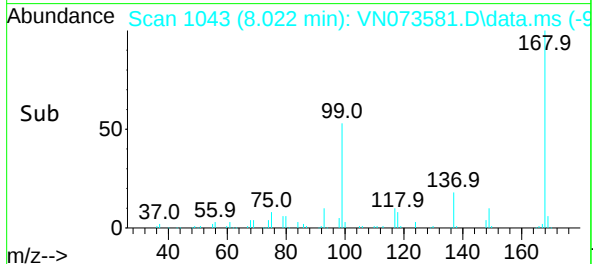
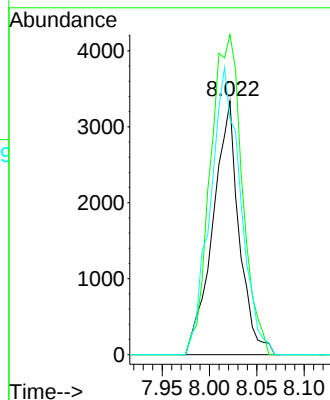


#31
Cyclohexane
Concen: 1.060 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#01

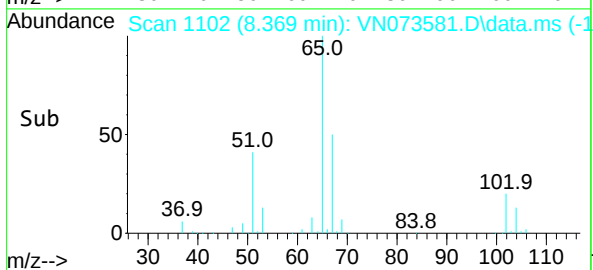
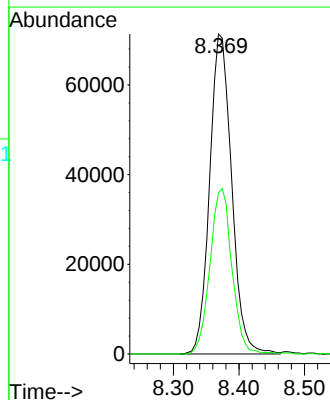
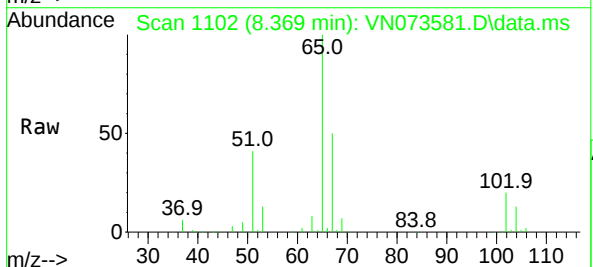


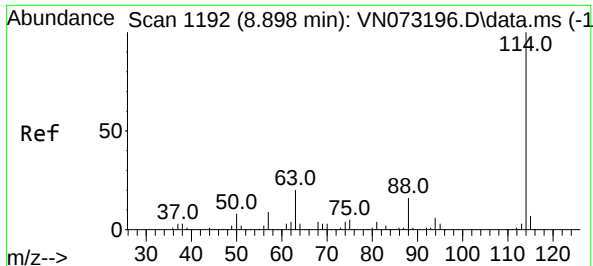
Tgt Ion: 56 Resp: 6435
Ion Ratio Lower Upper
56 100
69 126.2 27.8 41.8#
84 93.1 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 44.790 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

Tgt Ion: 65 Resp: 166033
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073581.D

Acq: 25 Jul 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

PB146364ZHE#01

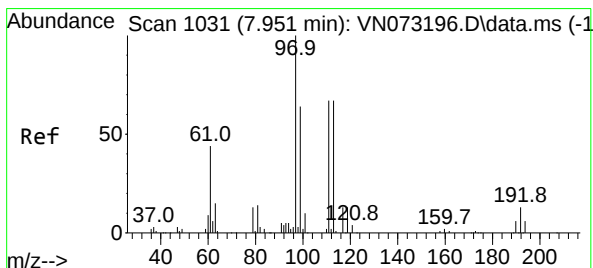
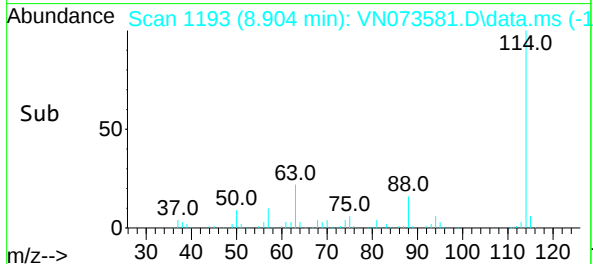
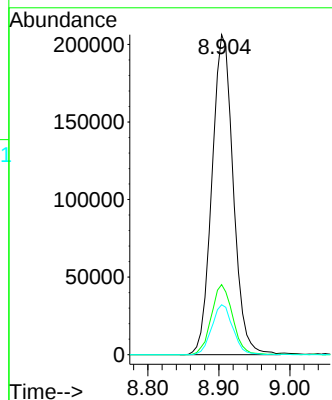
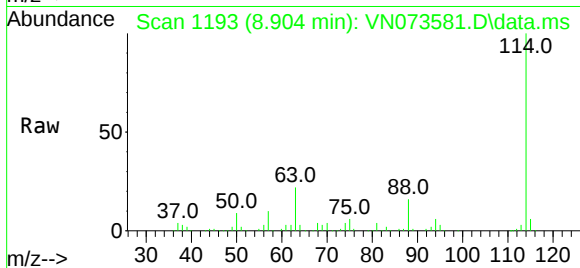
Tgt Ion:114 Resp: 429645

Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.436 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073581.D

Acq: 25 Jul 2022 15:58

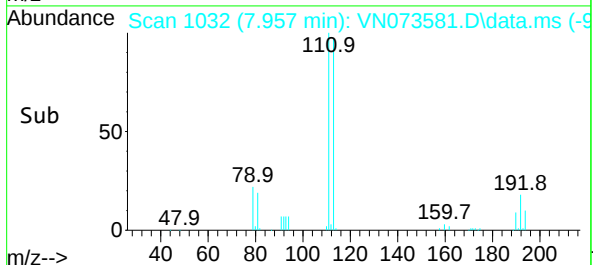
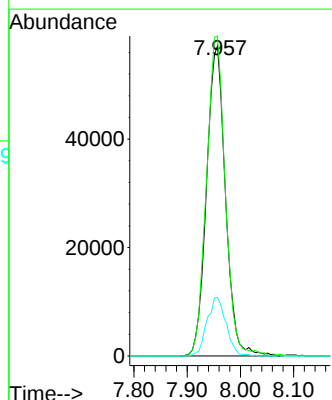
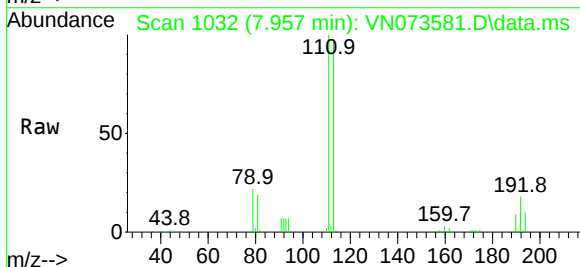
Tgt Ion:113 Resp: 141311

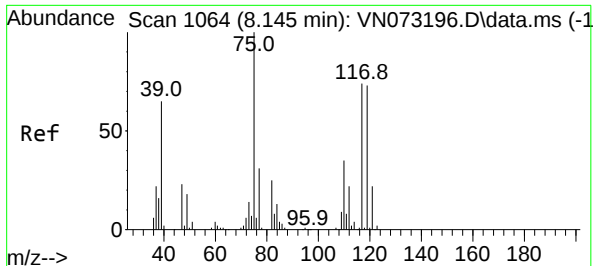
Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 19.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.657 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN073581.D

Acq: 25 Jul 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

PB146364ZHE#01

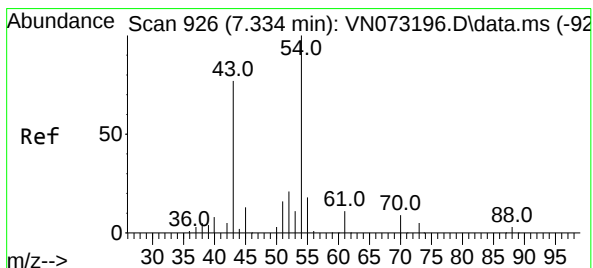
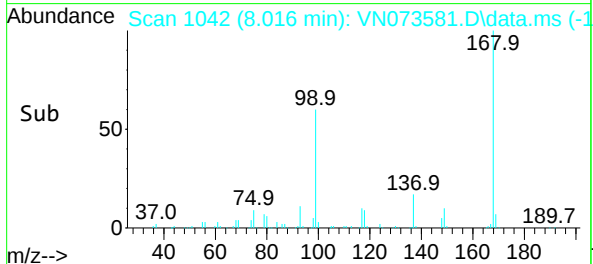
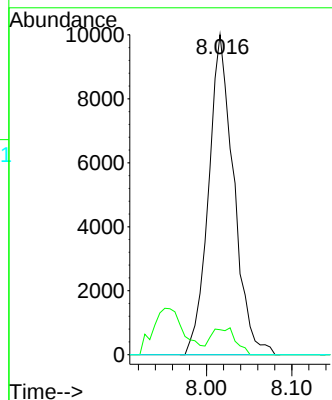
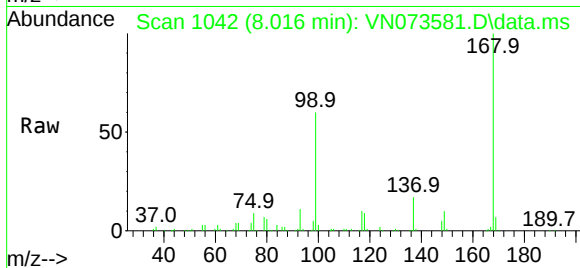
Tgt Ion: 75 Resp: 20483

Ion Ratio Lower Upper

75 100

110 8.0 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 8.879 ug/l

RT: 7.339 min Scan# 927

Delta R.T. 0.005 min

Lab File: VN073581.D

Acq: 25 Jul 2022 15:58

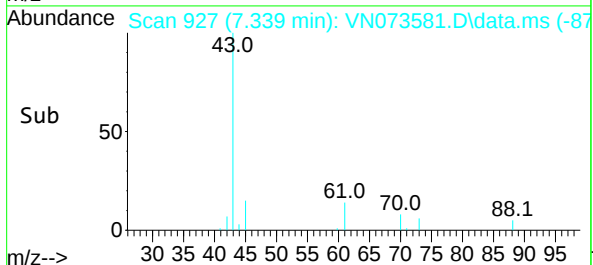
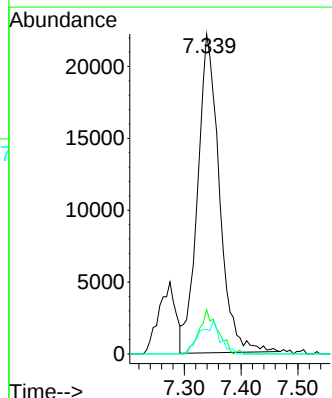
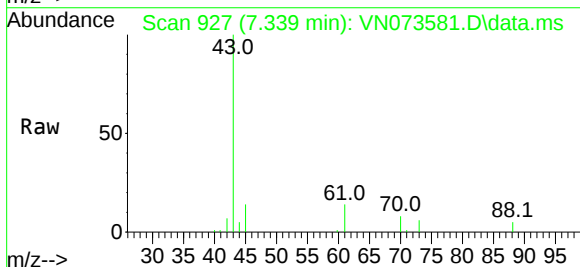
Tgt Ion: 43 Resp: 59006

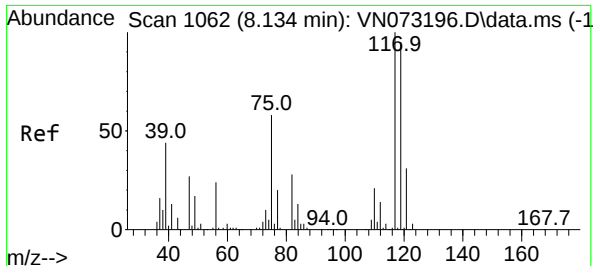
Ion Ratio Lower Upper

43 100

61 11.7 11.8 17.6#

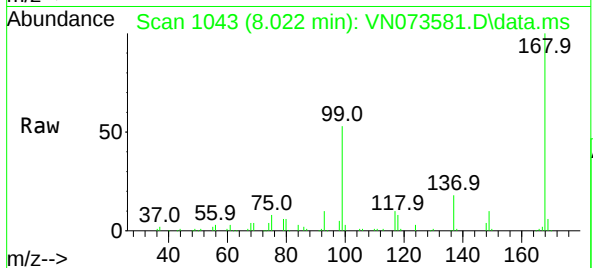
70 9.4 9.3 13.9



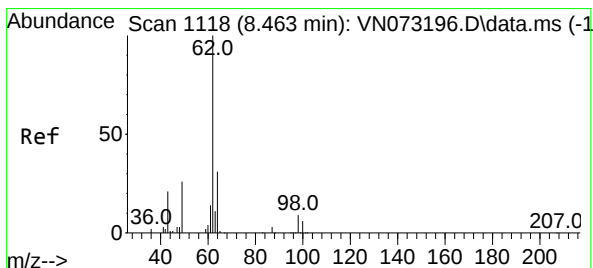
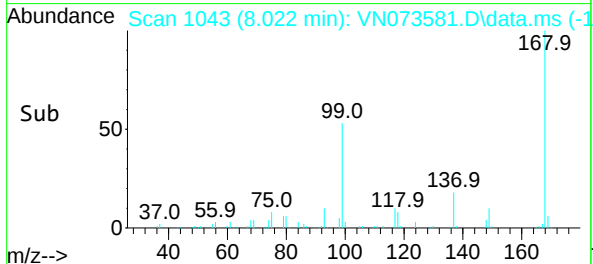
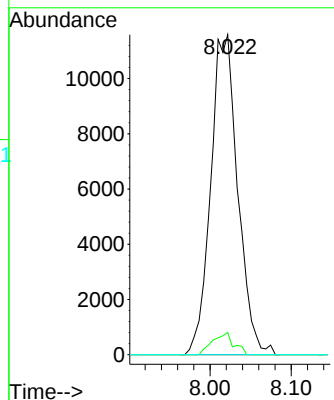


#38
Carbon Tetrachloride
Concen: 5.902 ug/l
RT: 8.022 min Scan# 110
Delta R.T. -0.112 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#01

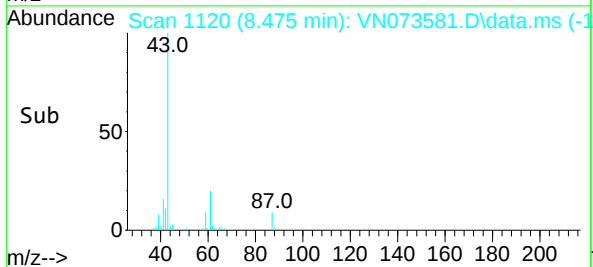
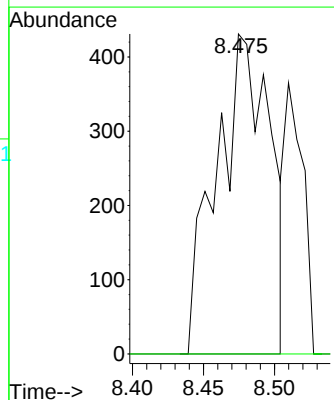
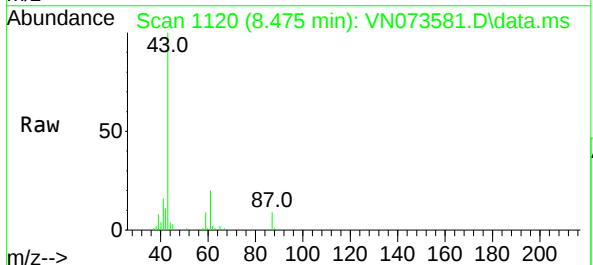


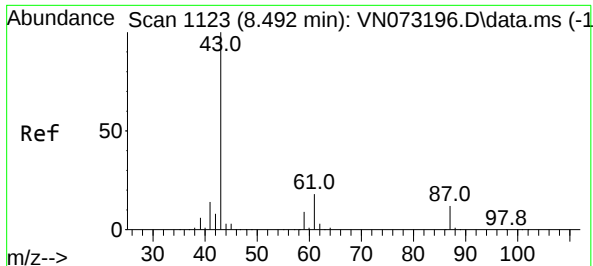
Tgt Ion:117 Resp: 26844
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.8#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.229 ug/l
RT: 8.475 min Scan# 1120
Delta R.T. 0.012 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

Tgt Ion: 62 Resp: 1125
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

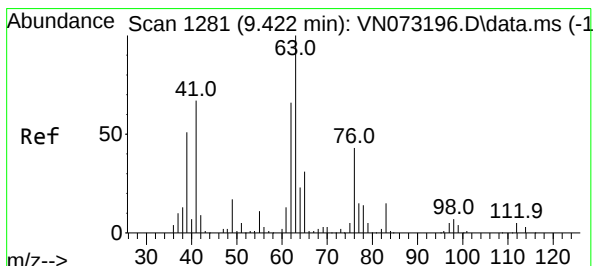
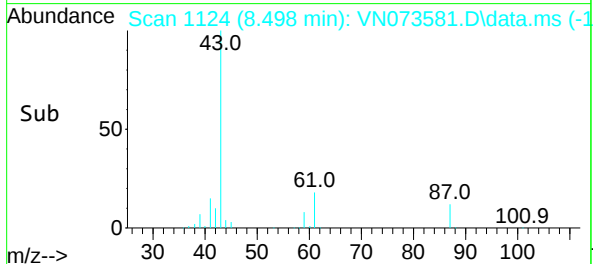
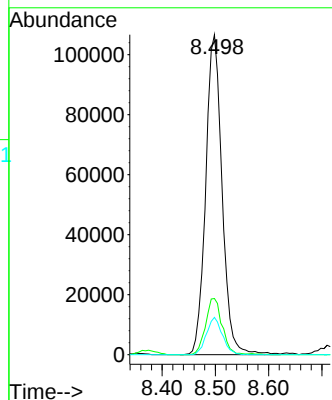
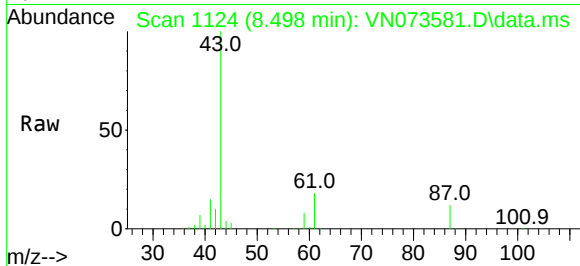




#43
Isopropyl Acetate
Concen: 23.887 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

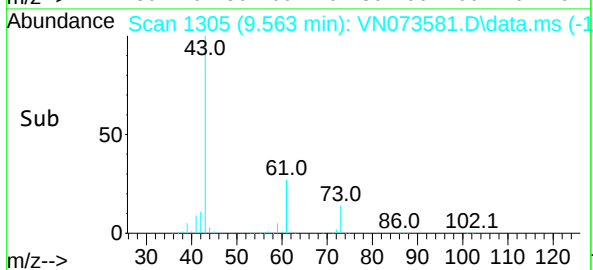
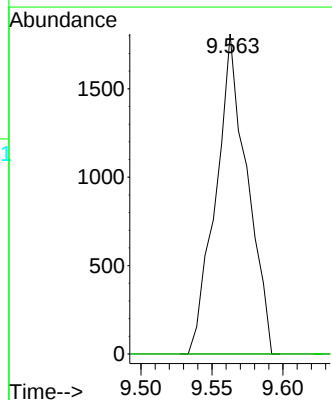
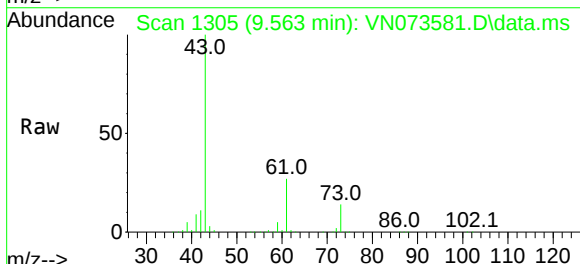
Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#01

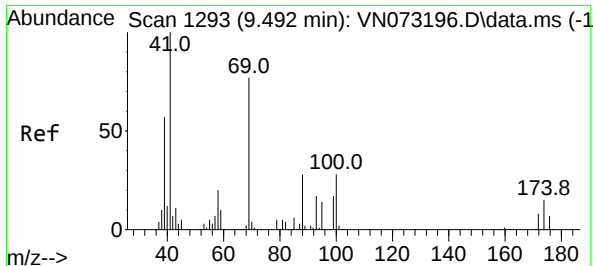
Tgt Ion: 43 Resp: 228146
Ion Ratio Lower Upper
43 100
61 17.6 21.9 32.9#
87 11.3 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.801 ug/l
RT: 9.563 min Scan# 1305
Delta R.T. 0.141 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

Tgt Ion: 63 Resp: 2771
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 1.866 ug/l

RT: 9.492 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VN073581.D

Acq: 25 Jul 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

PB146364ZHE#01

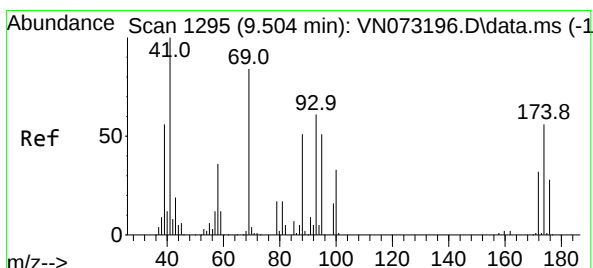
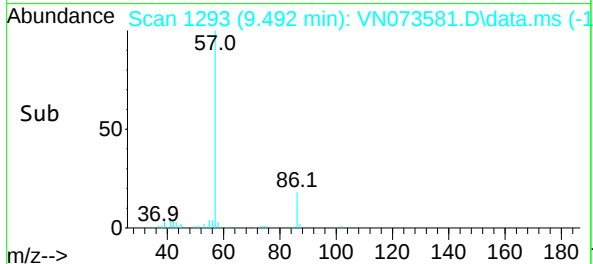
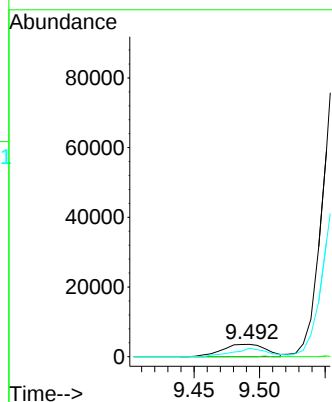
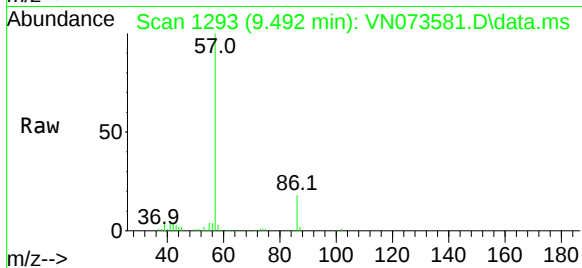
Tgt Ion: 41 Resp: 8253

Ion Ratio Lower Upper

41 100

69 0.8 74.7 112.1#

39 55.3 45.6 68.4



#49

1,4-Dioxane

Concen: 0.774 ug/l

RT: 9.516 min Scan# 1297

Delta R.T. 0.012 min

Lab File: VN073581.D

Acq: 25 Jul 2022 15:58

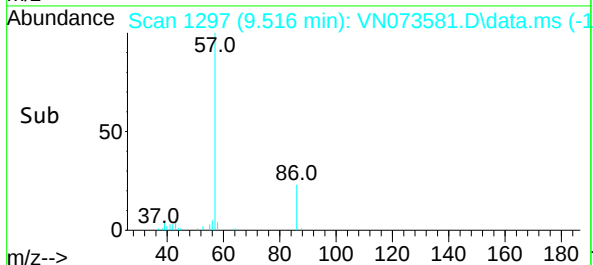
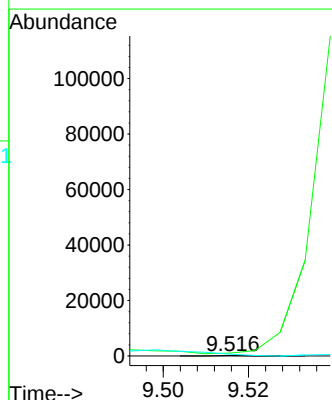
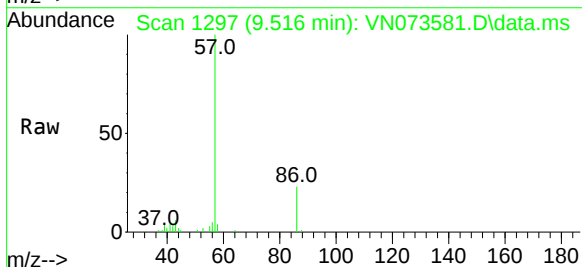
Tgt Ion: 88 Resp: 65

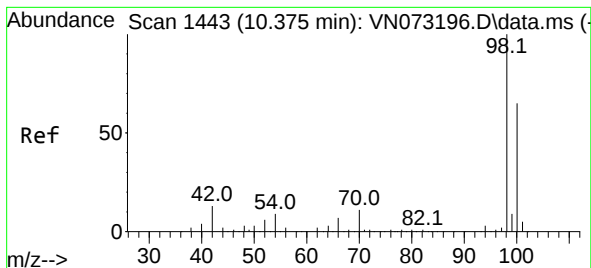
Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 0.0 54.2 81.4#





#50

Toluene-d8

Concen: 47.149 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.005 min

Lab File: VN073581.D

Acq: 25 Jul 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

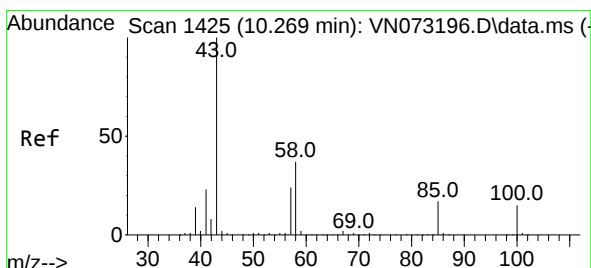
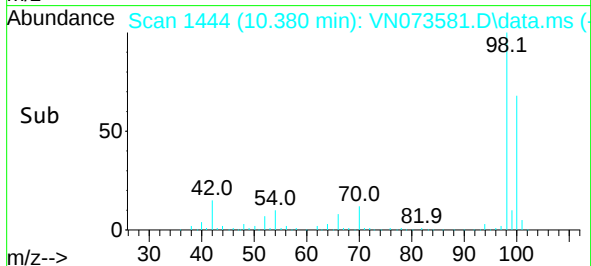
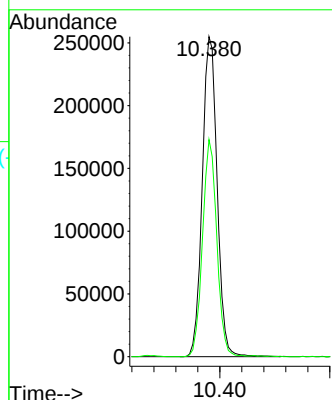
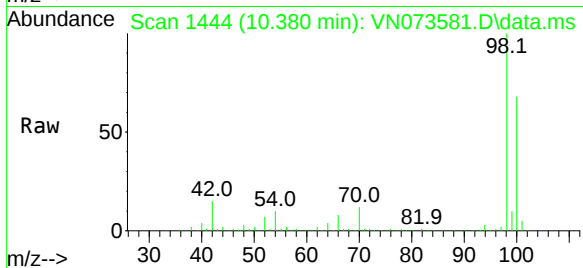
PB146364ZHE#01

Tgt Ion: 98 Resp: 478670

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 3.039 ug/l

RT: 10.269 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VN073581.D

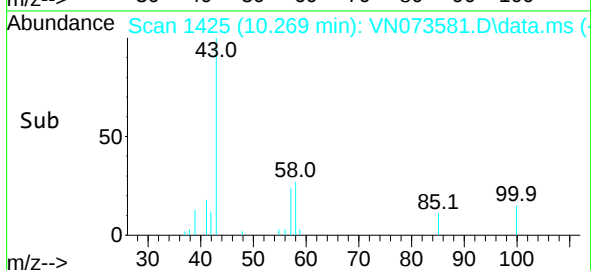
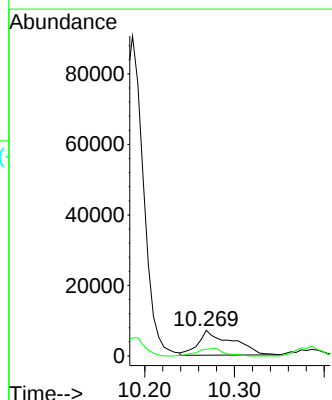
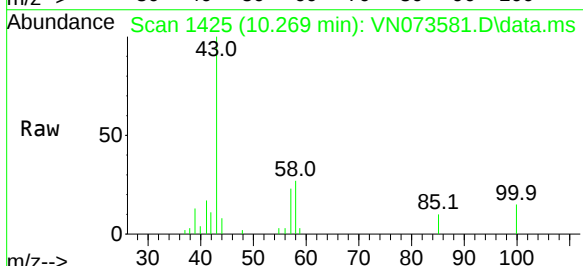
Acq: 25 Jul 2022 15:58

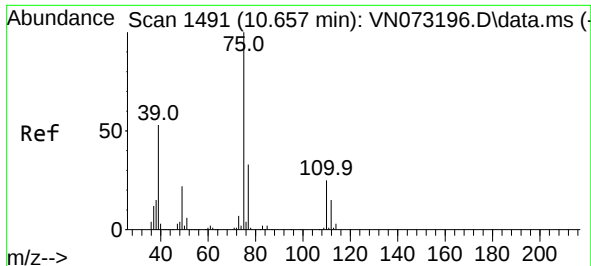
Tgt Ion: 43 Resp: 18407

Ion Ratio Lower Upper

43 100

58 23.7 34.1 51.1#

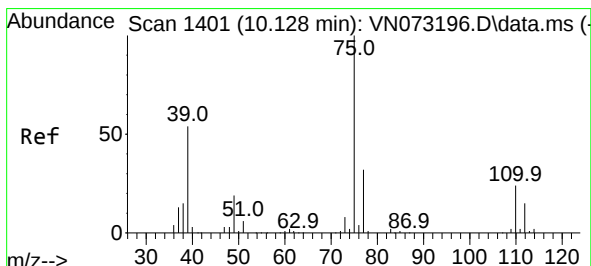
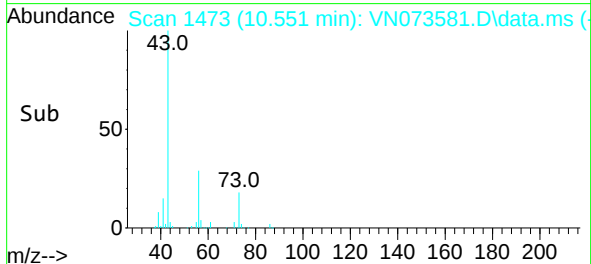
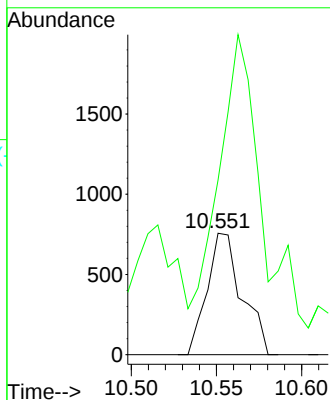
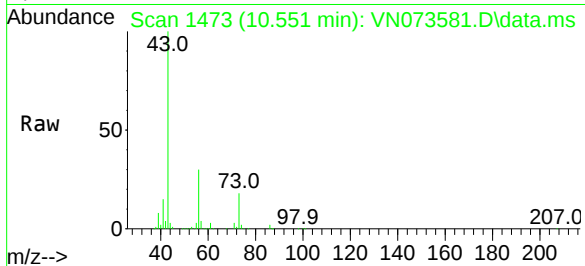




#53
t-1,3-Dichloropropene
Concen: 0.215 ug/l
RT: 10.551 min Scan# 1411
Delta R.T. -0.106 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

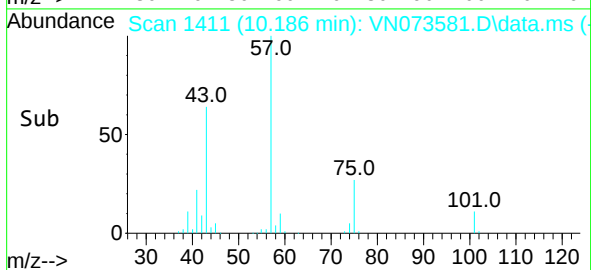
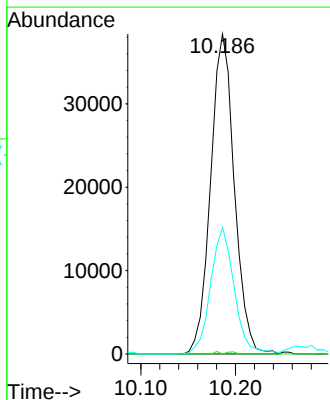
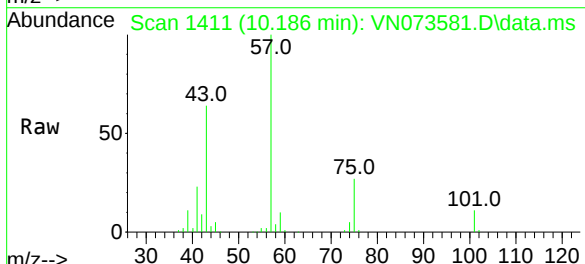
Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#01

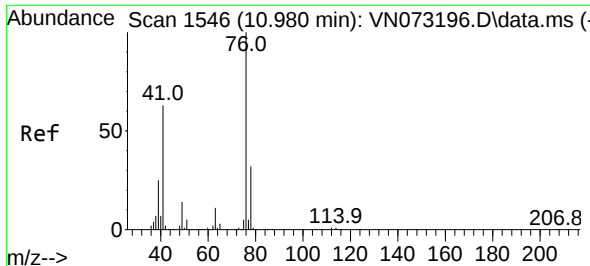
Tgt Ion: 75 Resp: 1079
Ion Ratio Lower Upper
75 100
77 74.8 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 12.344 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.058 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

Tgt Ion: 75 Resp: 66749
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 39.5 35.7 53.5





#57

1,3-Dichloropropane

Concen: 1.496 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.053 min

Lab File: VN073581.D

Acq: 25 Jul 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

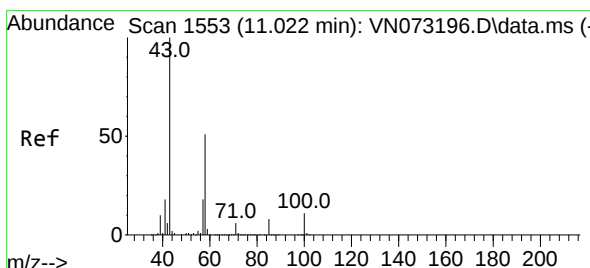
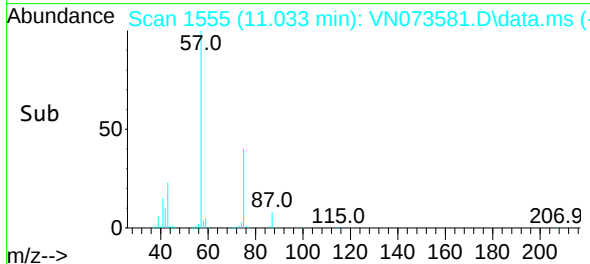
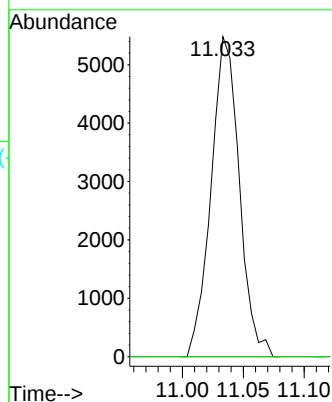
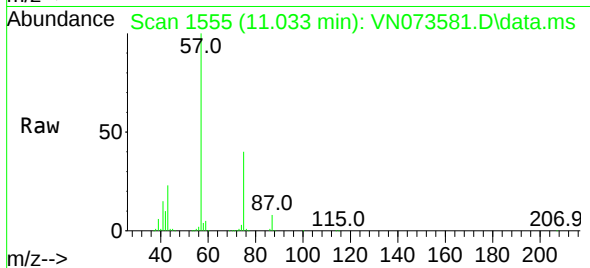
PB146364ZHE#01

Tgt Ion: 76 Resp: 8856

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 27.774 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.011 min

Lab File: VN073581.D

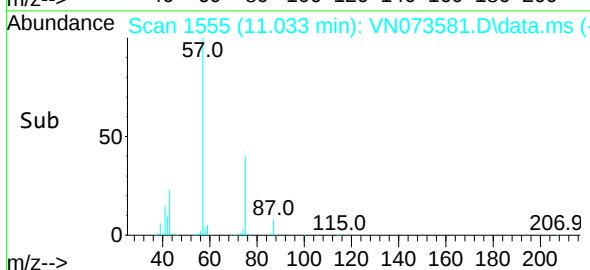
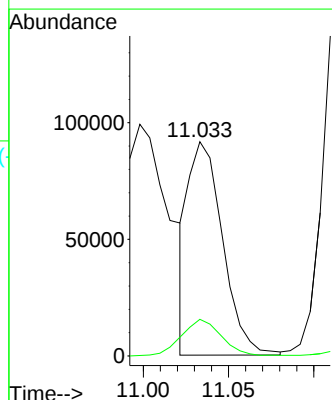
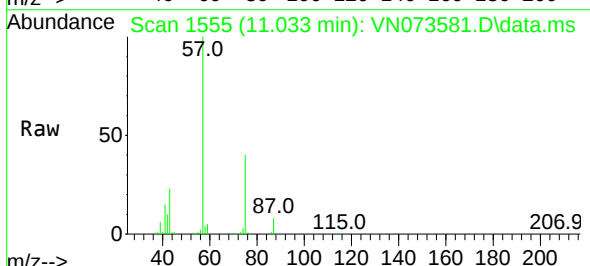
Acq: 25 Jul 2022 15:58

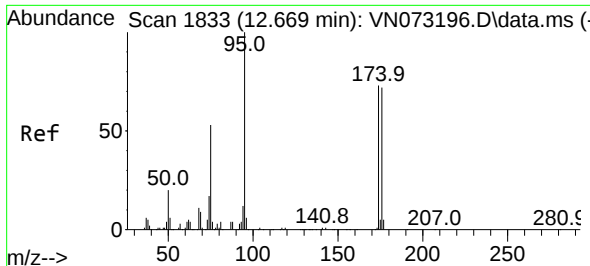
Tgt Ion: 43 Resp: 128232

Ion Ratio Lower Upper

43 100

58 20.2 29.7 89.1#

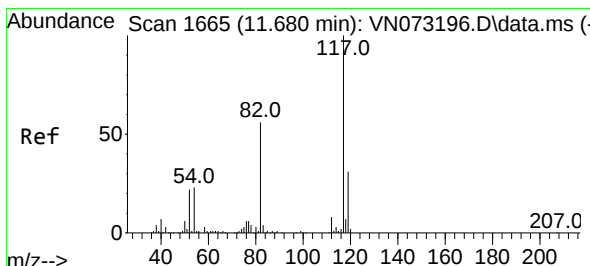
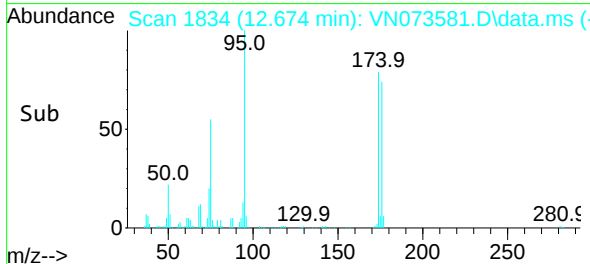
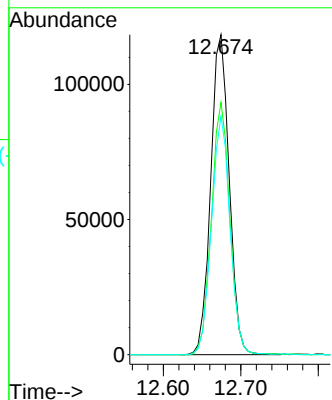
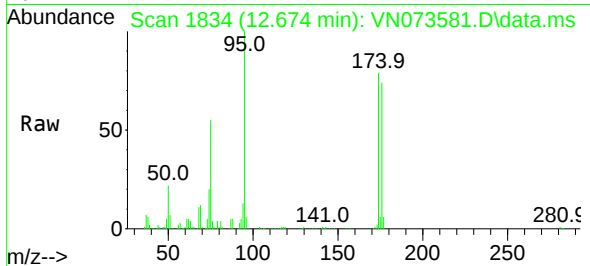




#62
4-Bromofluorobenzene
Concen: 50.472 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

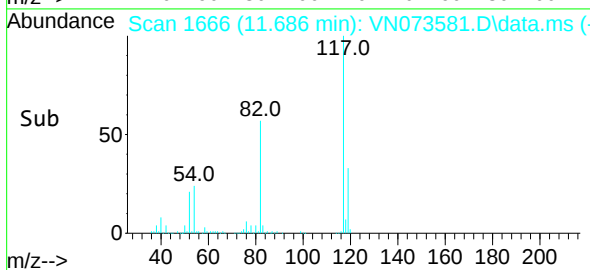
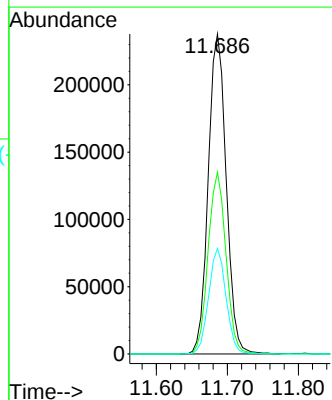
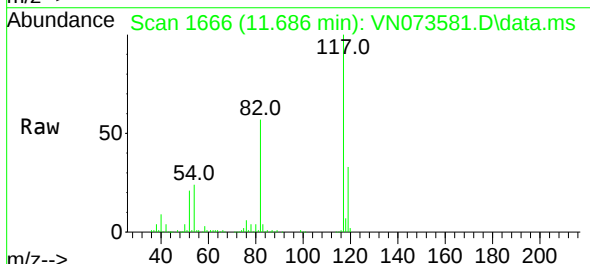
Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#01

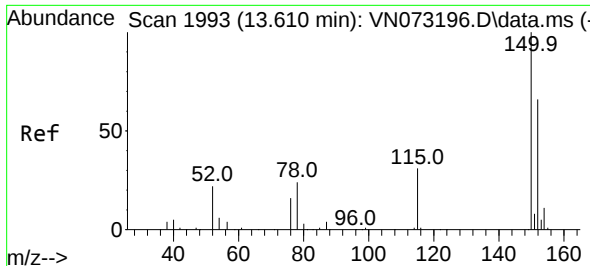
Tgt Ion: 95 Resp: 196917
Ion Ratio Lower Upper
95 100
174 78.8 0.0 167.6
176 74.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

Tgt Ion: 117 Resp: 418394
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.2
119 33.0 25.4 38.0

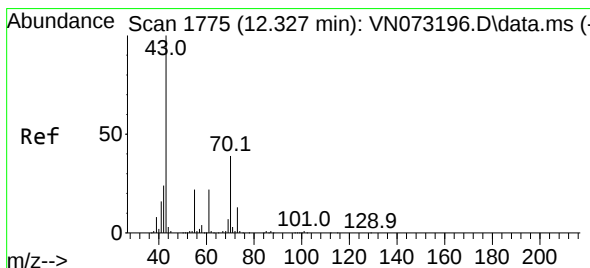
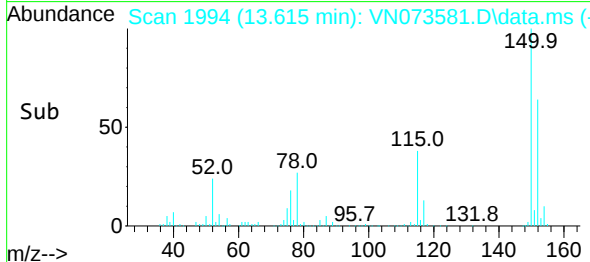
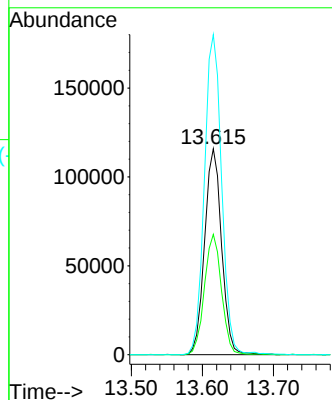
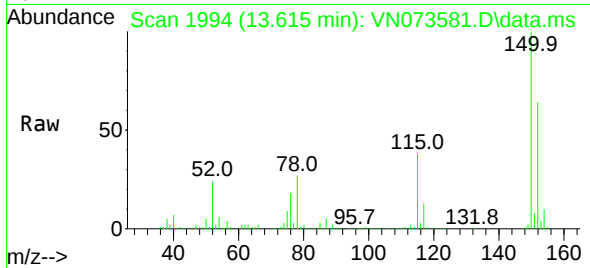




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1993
 Delta R.T. 0.005 min
 Lab File: VN073581.D
 Acq: 25 Jul 2022 15:58

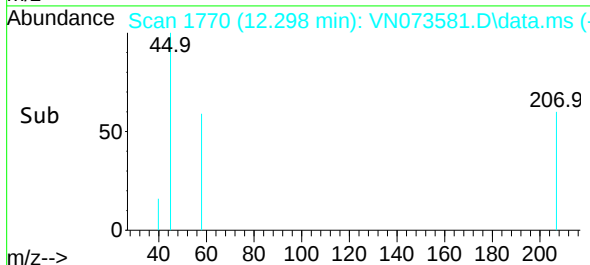
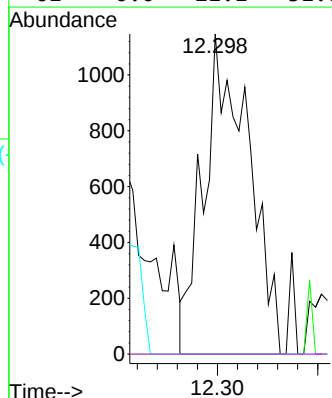
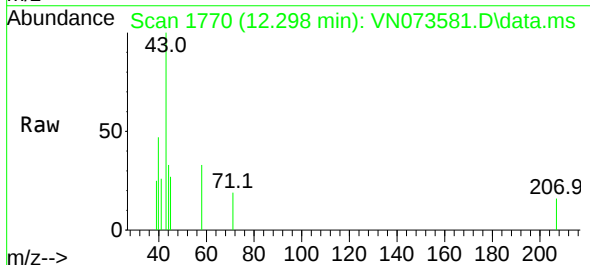
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146364ZHE#01

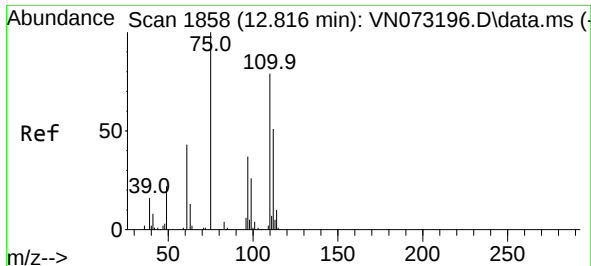
Tgt Ion:152 Resp: 193180
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.9 86.7
 150 156.5 0.0 356.2



#74
 N-ethyl acetate
 Concen: 0.427 ug/l
 RT: 12.298 min Scan# 1770
 Delta R.T. -0.029 min
 Lab File: VN073581.D
 Acq: 25 Jul 2022 15:58

Tgt Ion: 43 Resp: 3566
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 0.0 21.1 31.7#
 61 0.0 21.1 31.7#

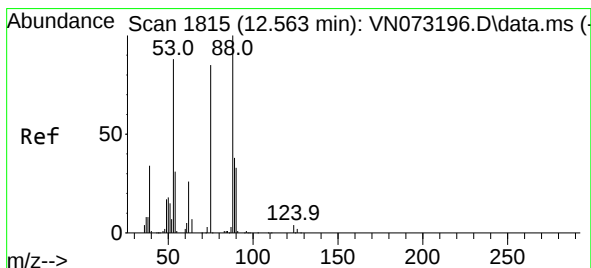
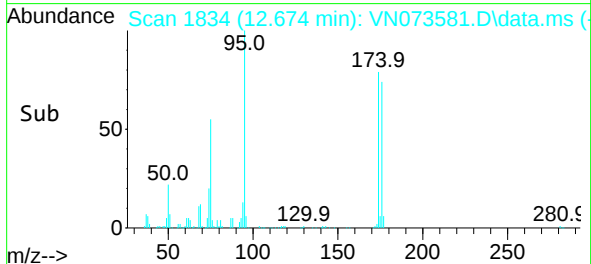
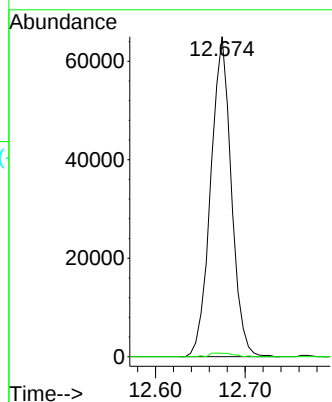
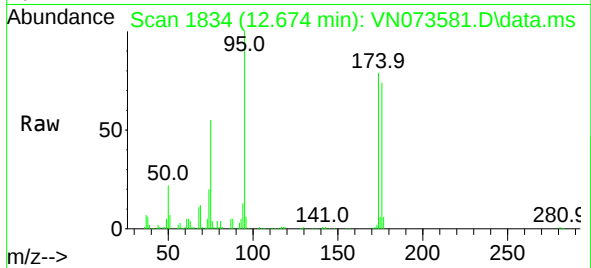




#76
1,2,3-Trichloropropane
Concen: 20.524 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.142 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :
PB146364ZHE#01

Tgt Ion: 75 Resp: 103671
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.286 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.111 min
Lab File: VN073581.D
Acq: 25 Jul 2022 15:58

Tgt Ion: 75 Resp: 103671
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#

