

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
 Data File : VN073856.D
 Acq On : 12 Aug 2022 17:02
 Operator : JC\MD
 Sample : PB146944ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146944ZHE#03

Quant Time: Aug 13 05:03:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

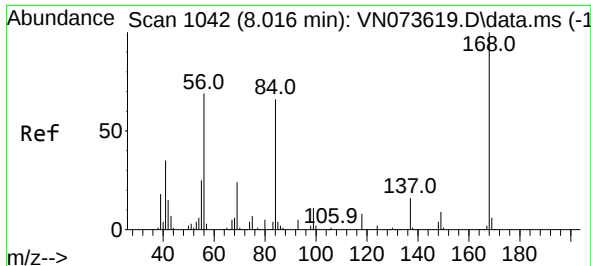
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.022	168	423772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	683559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	695062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	325210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	245248	47.489	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.980%			
35) Dibromofluoromethane	7.957	113	229793	53.536	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.080%			
50) Toluene-d8	10.380	98	799153	47.313	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.620%			
62) 4-Bromofluorobenzene	12.674	95	299764	50.524	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.040%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	918	Below Cal	#	73
6) Chloroethane	2.940	64	733	Below Cal	#	42
11) Tert butyl alcohol	5.287	59	722	0.648	ug/l #	72
16) Acetone	4.234	43	74644	26.910	ug/l	100
18) Methyl Acetate	4.792	43	6372	0.923	ug/l #	86
20) Methylene Chloride	5.016	84	19619	2.268	ug/l	97
25) 2-Butanone	7.269	43	13199	3.064	ug/l	95
29) Tetrahydrofuran	7.622	42	2869	1.053	ug/l #	85
31) Cyclohexane	8.022	56	7721	1.004	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	29421	4.809	ug/l #	43
37) Ethyl Acetate	7.339	43	62028	7.699	ug/l	99
38) Carbon Tetrachloride	8.022	117	37413	6.021	ug/l #	16
41) Methacrylonitrile	7.633	41	1763	0.484	ug/l #	36
42) 1,2-Dichloroethane	8.504	62	1816	0.271	ug/l #	74
43) Isopropyl Acetate	8.498	43	252398	23.194	ug/l #	92
45) 1,2-Dichloropropane	9.563	63	3871	0.780	ug/l #	44
48) Methyl methacrylate	9.486	41	8334	1.750	ug/l #	40
49) 1,4-Dioxane	9.504	88	60	0.447	ug/l #	1
51) 4-Methyl-2-Pentanone	10.274	43	21883	2.804	ug/l #	79
53) t-1,3-Dichloropropene	10.563	75	1933	0.296	ug/l #	1
54) cis-1,3-Dichloropropene	10.186	75	96708	13.134	ug/l #	65
57) 1,3-Dichloropropane	11.033	76	14267	1.662	ug/l #	42
59) 2-Hexanone	11.033	43	174155	29.451	ug/l #	49
74) N-amyl acetate	12.139	43	50605	5.626	ug/l #	49
76) 1,2,3-Trichloropropane	12.674	75	151708	23.774	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	151708	60.454	ug/l #	11

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

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QLast Update : Wed Aug 10 05:09:32 2022
Response via : Initial Calibration

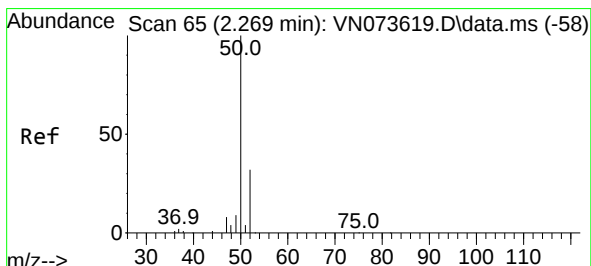
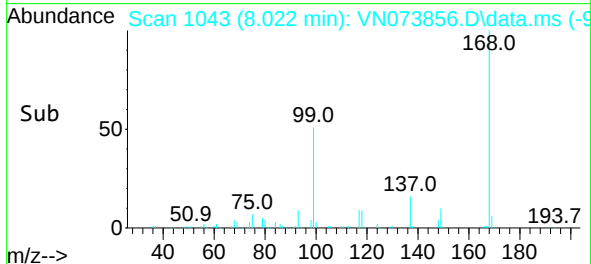
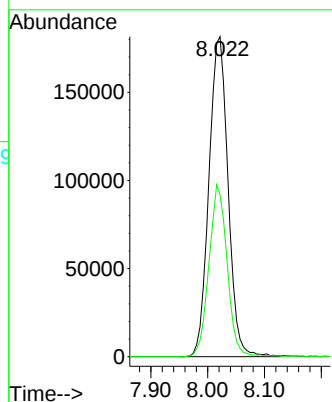
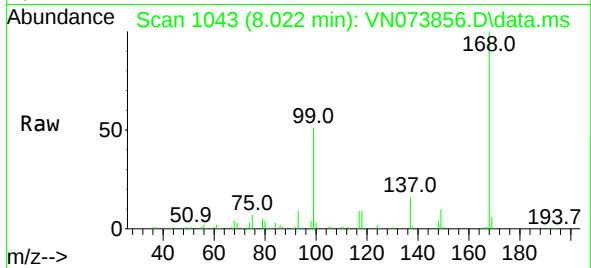




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

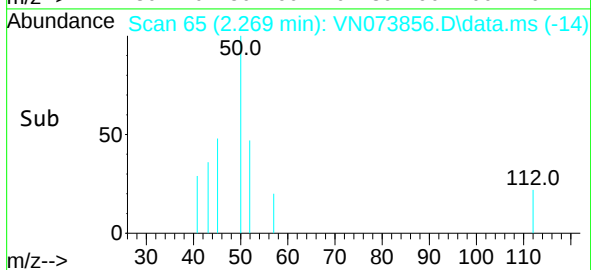
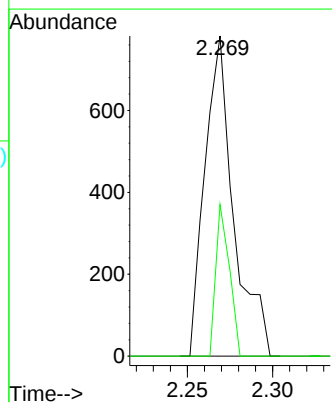
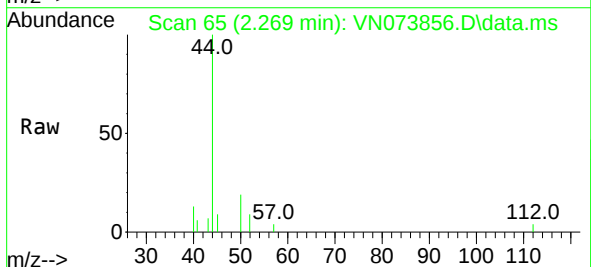
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#03

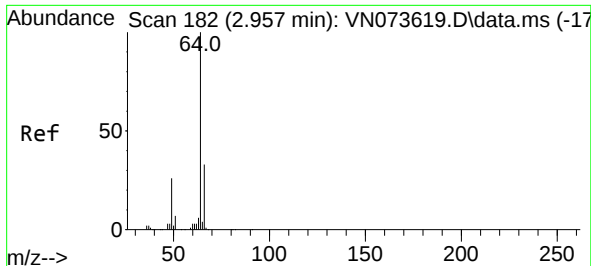
Tgt Ion:168 Resp: 423772
Ion Ratio Lower Upper
168 100
99 50.7 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

Tgt Ion: 50 Resp: 918
Ion Ratio Lower Upper
50 100
52 47.3 25.7 38.5#

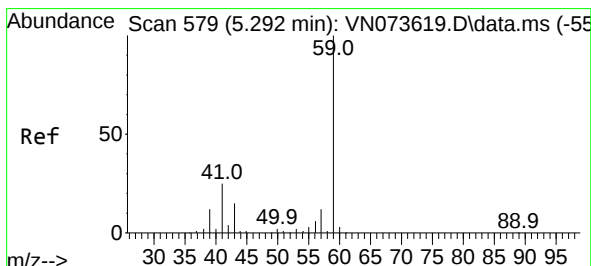
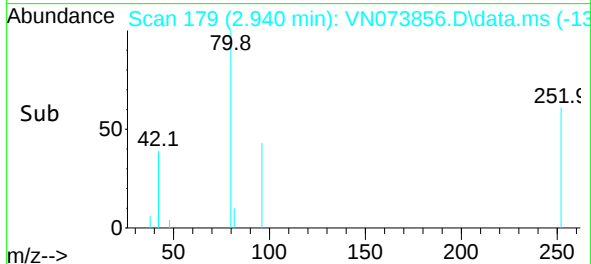
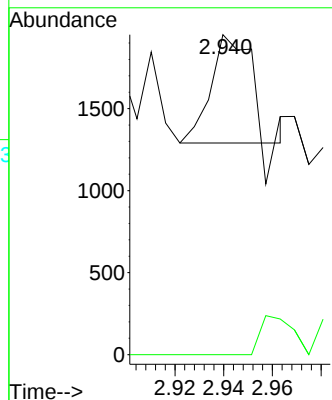
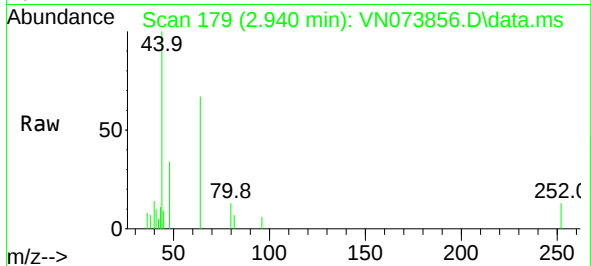




#6
Chloroethane
Concen: Below Cal
RT: 2.940 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

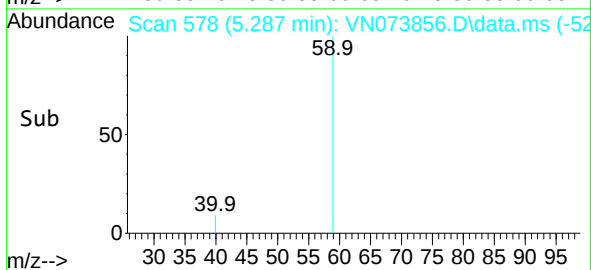
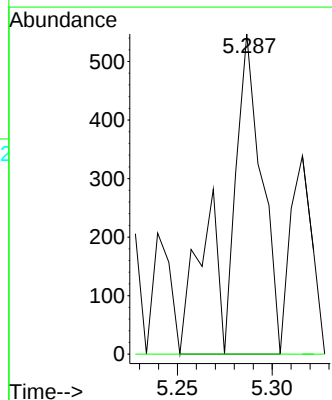
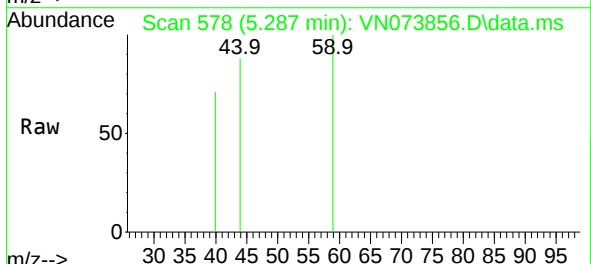
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#03

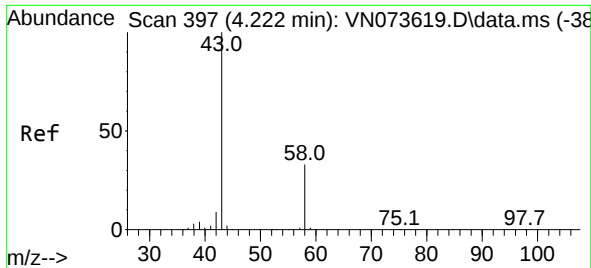
Tgt Ion: 64 Resp: 733
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.648 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

Tgt Ion: 59 Resp: 722
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 26.910 ug/l

RT: 4.234 min Scan# 397

Delta R.T. 0.012 min

Lab File: VN073856.D

Acq: 12 Aug 2022 17:02

Instrument :

MSVOA_N

ClientSampleId :

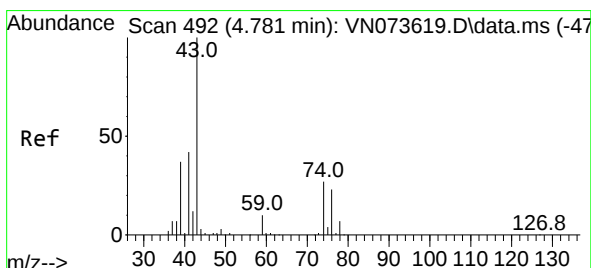
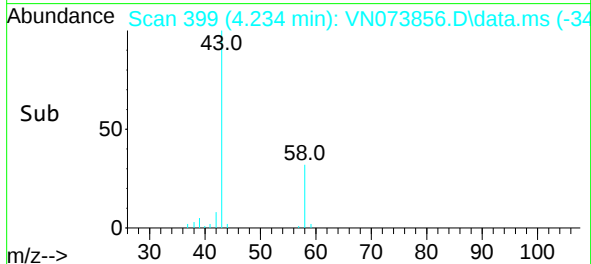
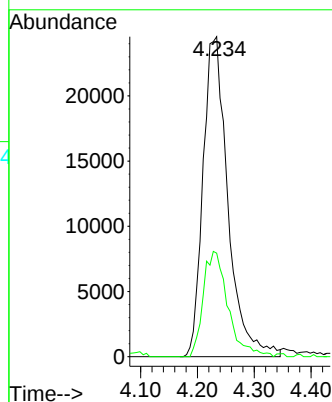
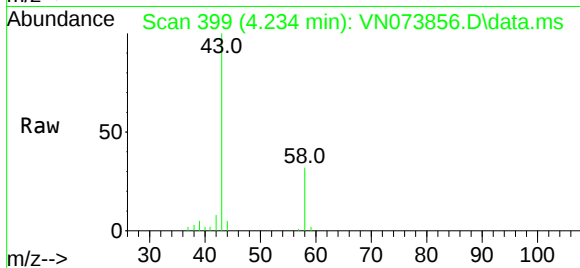
PB146944ZHE#03

Tgt Ion: 43 Resp: 74644

Ion Ratio Lower Upper

43 100

58 32.3 26.0 39.0



#18

Methyl Acetate

Concen: 0.923 ug/l

RT: 4.792 min Scan# 494

Delta R.T. 0.012 min

Lab File: VN073856.D

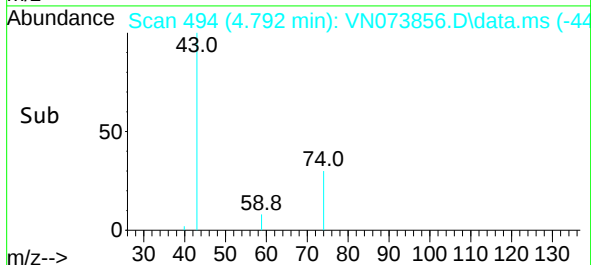
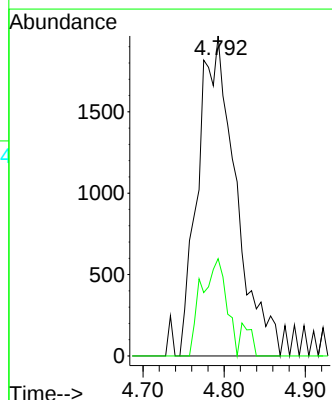
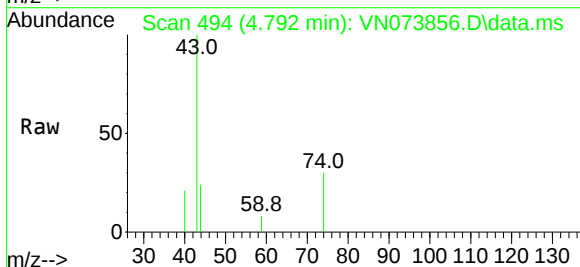
Acq: 12 Aug 2022 17:02

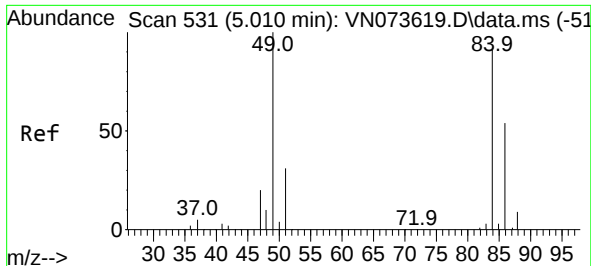
Tgt Ion: 43 Resp: 6372

Ion Ratio Lower Upper

43 100

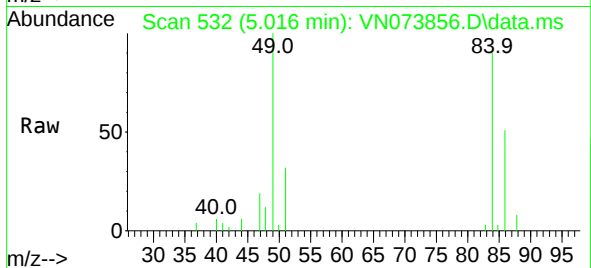
74 19.9 21.6 32.4#



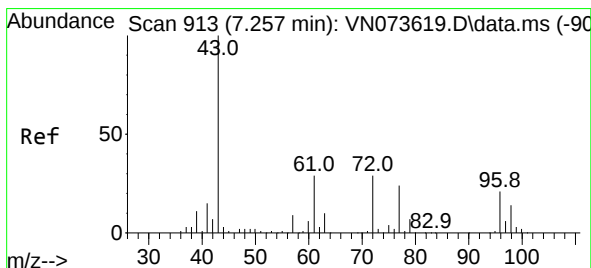
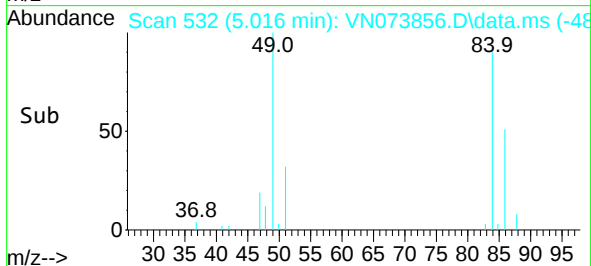
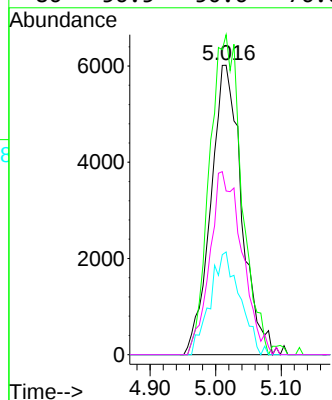


#20
Methylene Chloride
Concen: 2.268 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#03

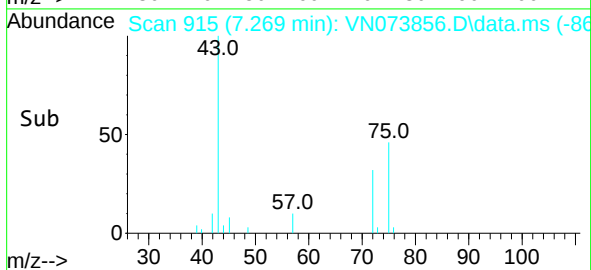
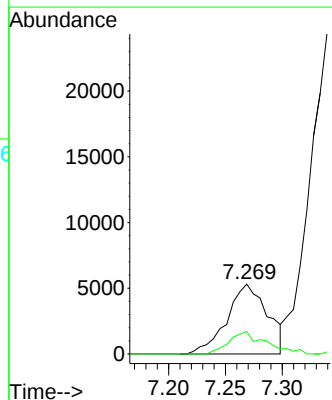
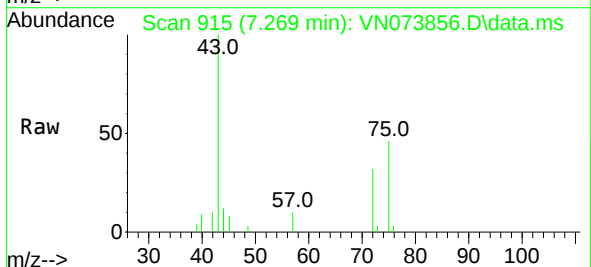


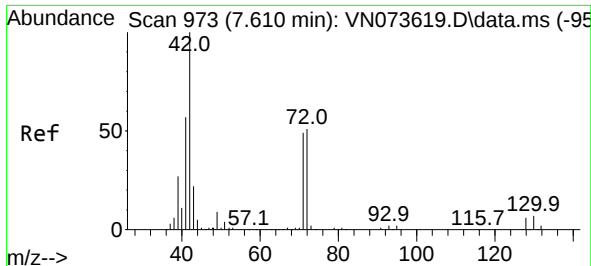
Tgt Ion:	84	Resp:	19619
Ion	Ratio	Lower	Upper
84	100		
49	110.6	88.3	132.5
51	35.5	28.2	42.2
86	56.5	50.6	76.0



#25
2-Butanone
Concen: 3.064 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

Tgt Ion:	43	Resp:	13199
Ion	Ratio	Lower	Upper
43	100		
72	32.2	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.053 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073856.D

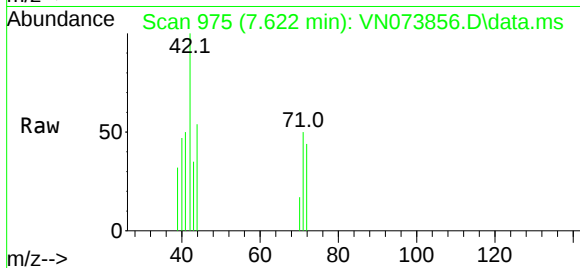
Acq: 12 Aug 2022 17:02

Instrument :

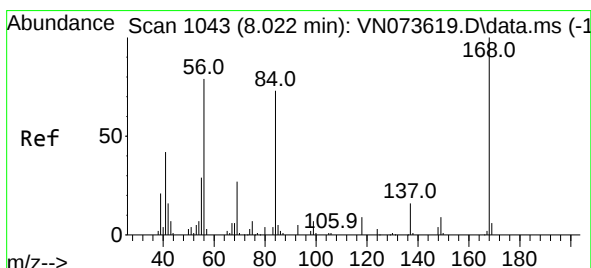
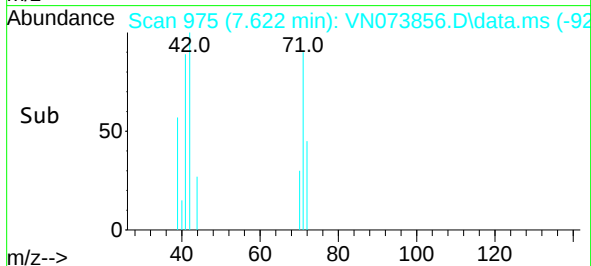
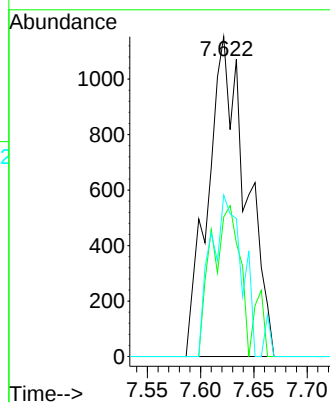
MSVOA_N

ClientSampleId :

PB146944ZHE#03



Tgt Ion:	42	Resp:	2869
Ion Ratio	100	Lower	Upper
72	34.6	39.7	59.5#
71	40.6	36.6	55.0



#31

Cyclohexane

Concen: 1.004 ug/l

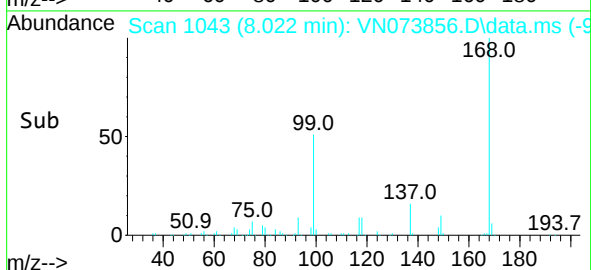
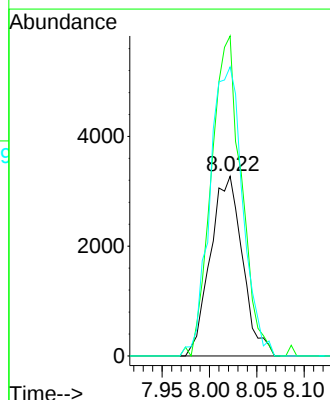
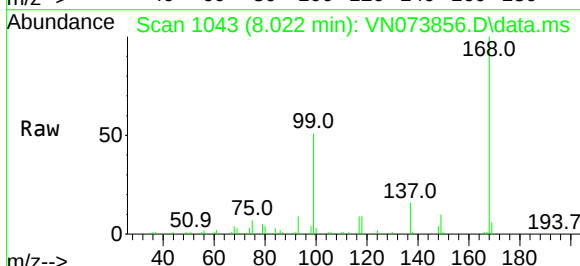
RT: 8.022 min Scan# 1043

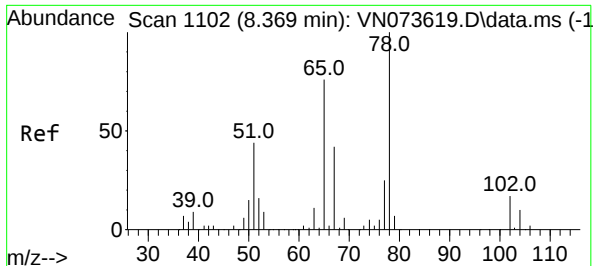
Delta R.T. -0.000 min

Lab File: VN073856.D

Acq: 12 Aug 2022 17:02

Tgt Ion:	56	Resp:	7721
Ion Ratio	100	Lower	Upper
69	178.0	27.8	41.8#
84	160.9	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.489 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN073856.D

Acq: 12 Aug 2022 17:02

Instrument :

MSVOA_N

ClientSampleId :

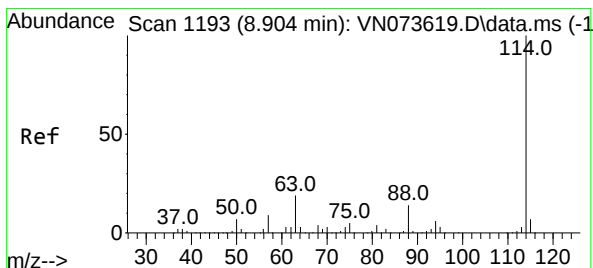
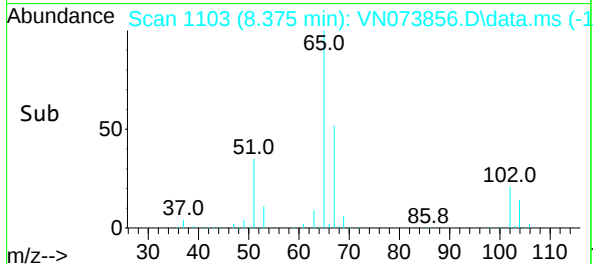
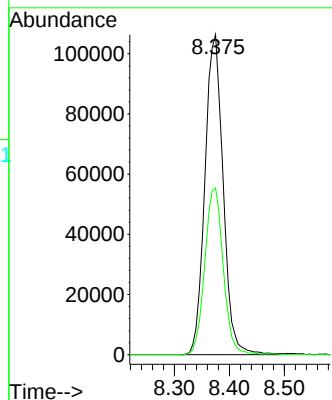
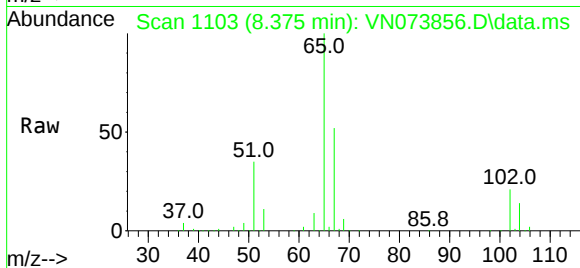
PB146944ZHE#03

Tgt Ion: 65 Resp: 245248

Ion Ratio Lower Upper

65 100

67 52.6 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: VN073856.D

Acq: 12 Aug 2022 17:02

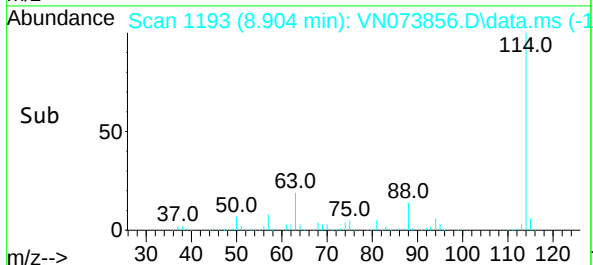
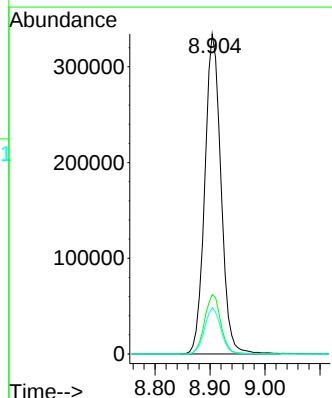
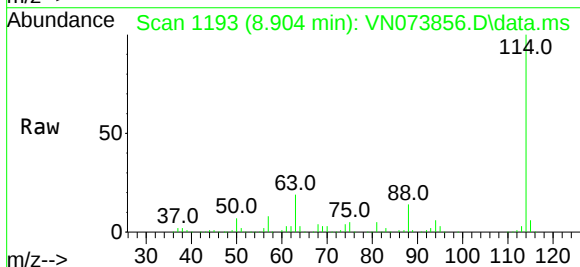
Tgt Ion: 114 Resp: 683559

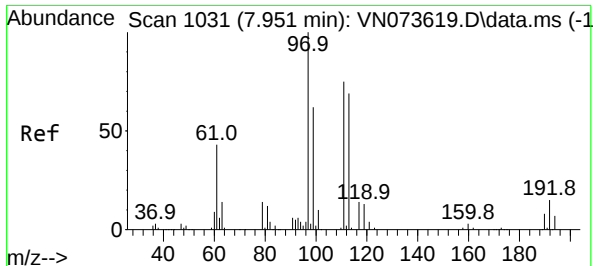
Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

88 14.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.536 ug/l

RT: 7.957 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073856.D

Acq: 12 Aug 2022 17:02

Instrument :

MSVOA_N

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PB146944ZHE#03

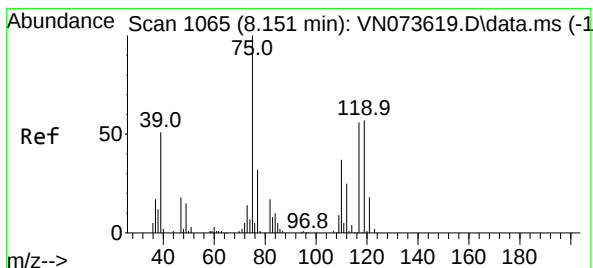
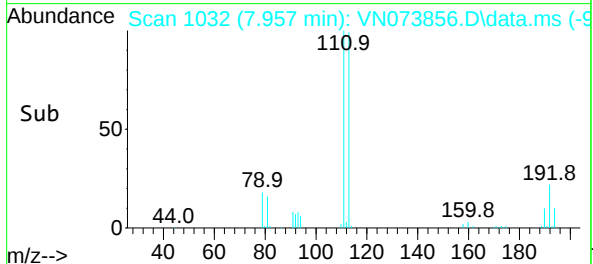
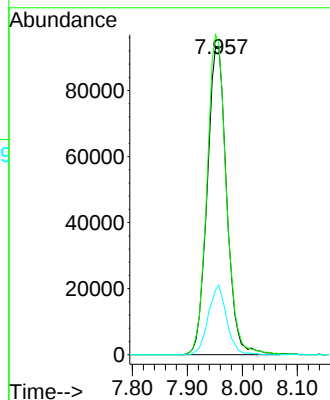
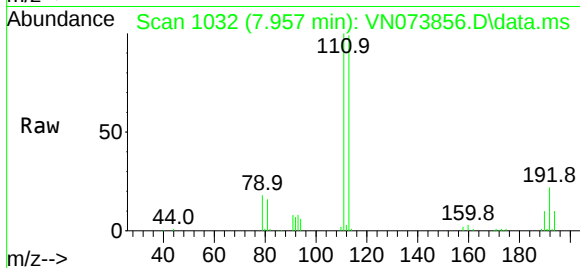
Tgt Ion:113 Resp: 229793

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

192 21.3 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.809 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073856.D

Acq: 12 Aug 2022 17:02

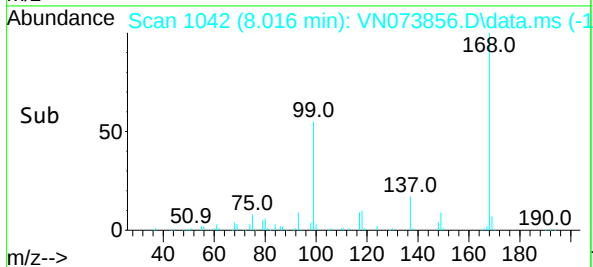
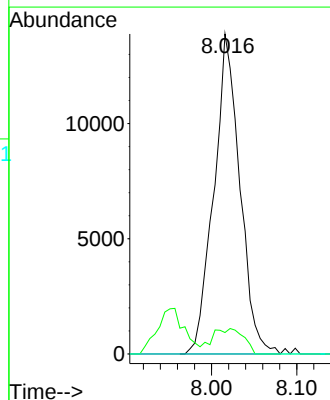
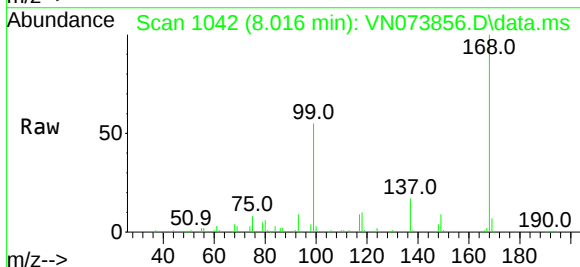
Tgt Ion: 75 Resp: 29421

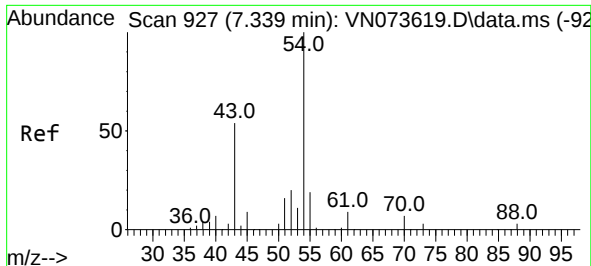
Ion Ratio Lower Upper

75 100

110 2.8 18.3 54.8#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 7.699 ug/l

RT: 7.339 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN073856.D

Acq: 12 Aug 2022 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB146944ZHE#03

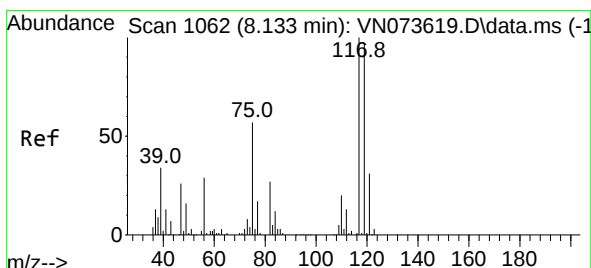
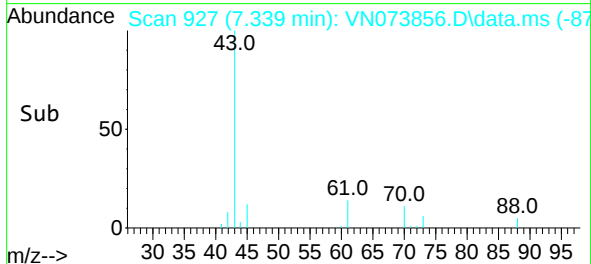
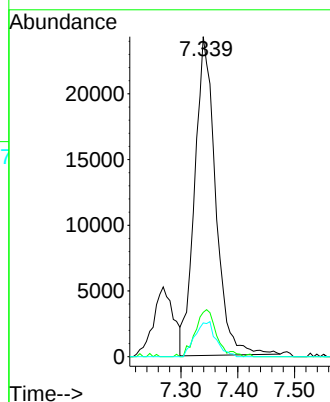
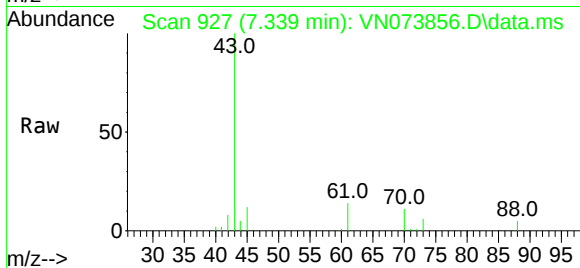
Tgt Ion: 43 Resp: 62028

Ion Ratio Lower Upper

43 100

61 14.8 11.8 17.6

70 11.1 9.3 13.9



#38

Carbon Tetrachloride

Concen: 6.021 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.112 min

Lab File: VN073856.D

Acq: 12 Aug 2022 17:02

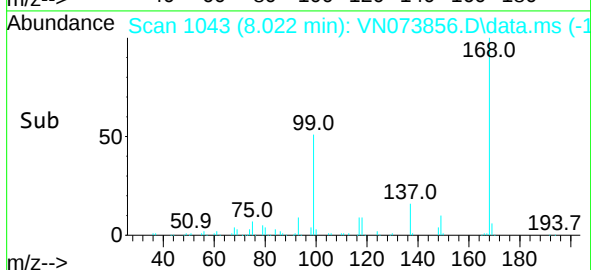
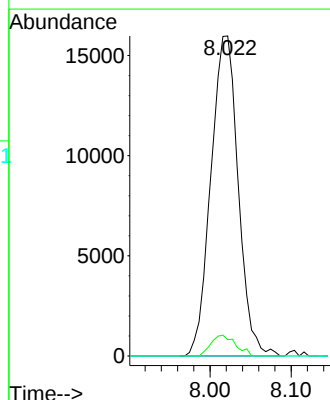
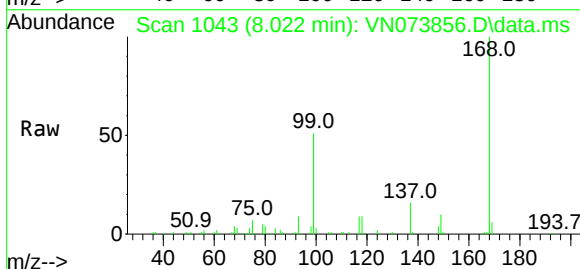
Tgt Ion: 117 Resp: 37413

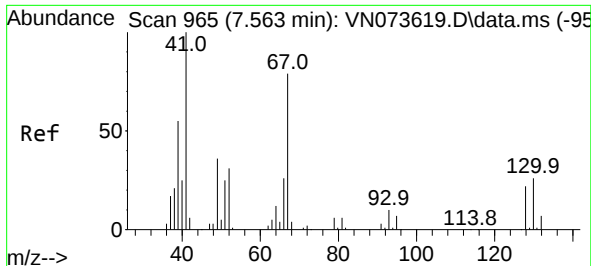
Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.8#

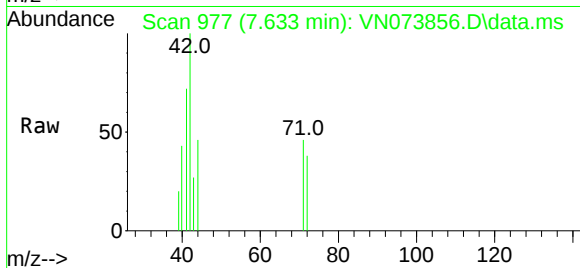
121 0.0 24.6 37.0#



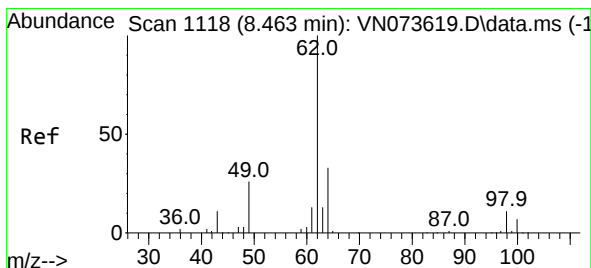
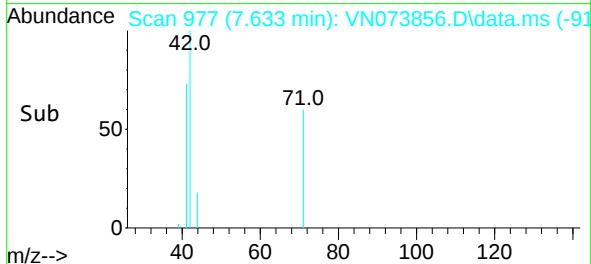
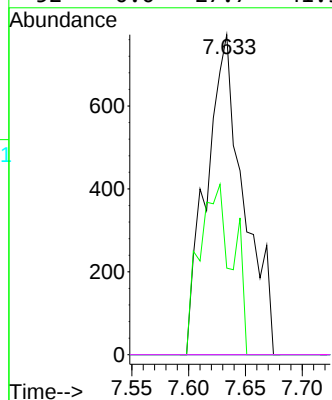


#41
Methacrylonitrile
Concen: 0.484 ug/l
RT: 7.633 min Scan# 91
Delta R.T. 0.071 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#03

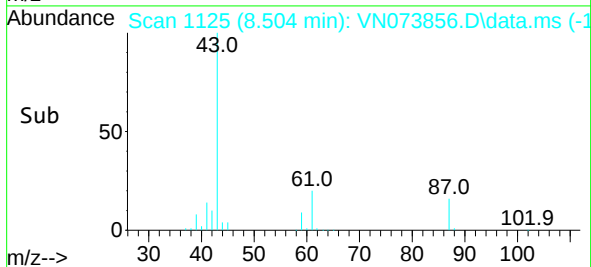
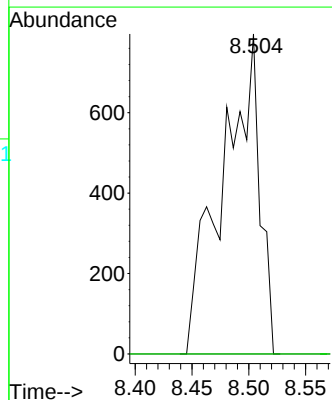
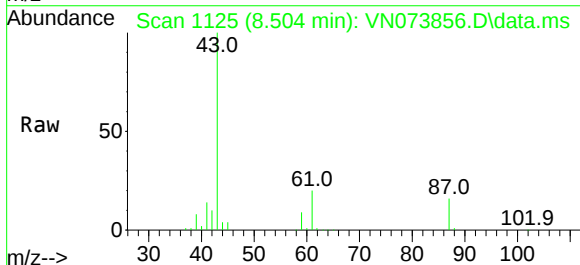


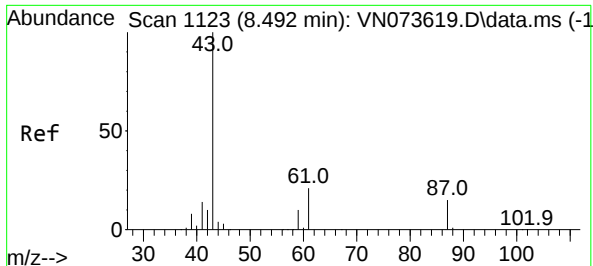
Tgt Ion:	41	Resp:	1763
Ion	Ratio	Lower	Upper
41	100		
39	47.3	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#42
1,2-Dichloroethane
Concen: 0.271 ug/l
RT: 8.504 min Scan# 1125
Delta R.T. 0.041 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

Tgt Ion:	62	Resp:	1816
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.4

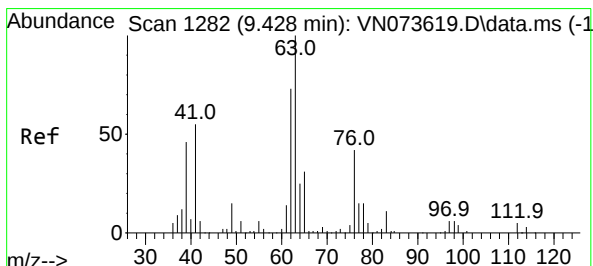
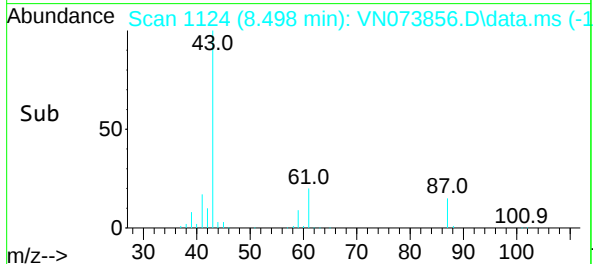
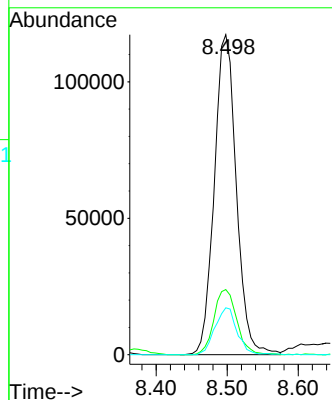
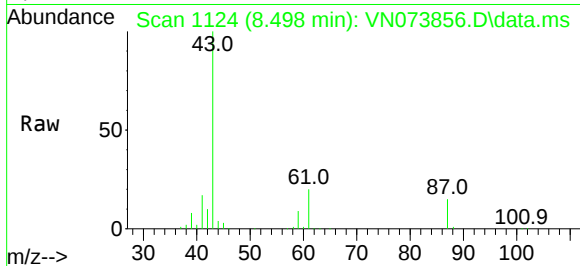




#43
Isopropyl Acetate
Concen: 23.194 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

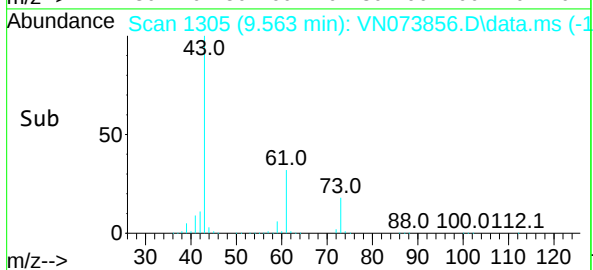
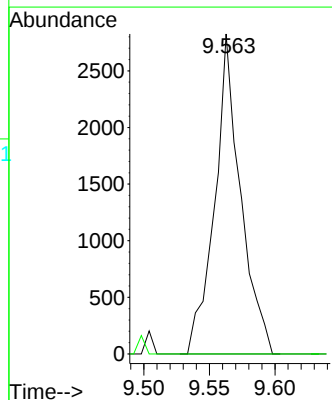
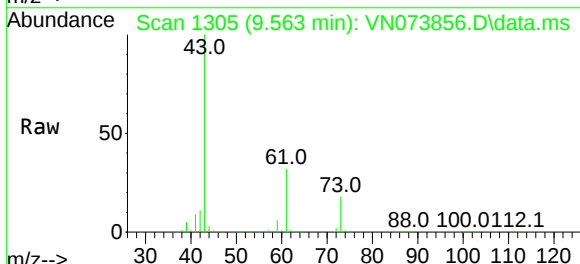
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#03

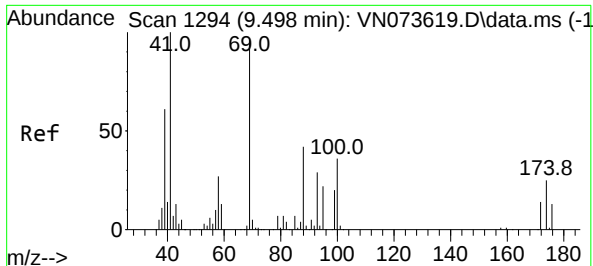
Tgt Ion: 43 Resp: 252398
Ion Ratio Lower Upper
43 100
61 21.1 21.9 32.9#
87 14.8 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.780 ug/l
RT: 9.563 min Scan# 1305
Delta R.T. 0.135 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

Tgt Ion: 63 Resp: 3871
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

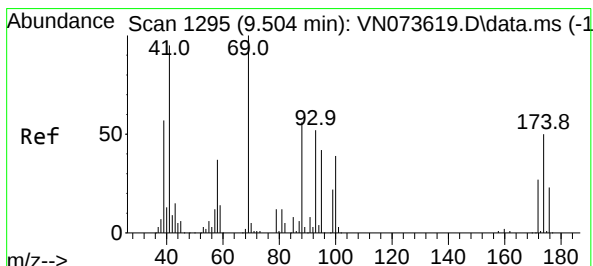
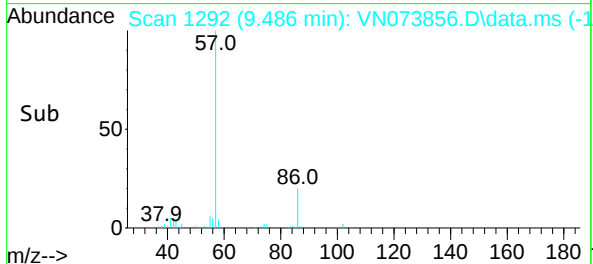
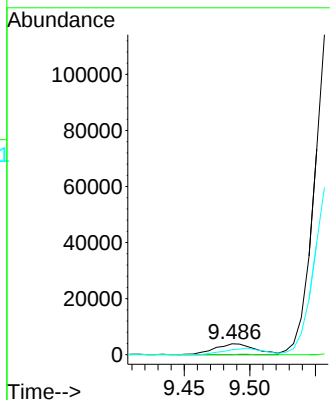
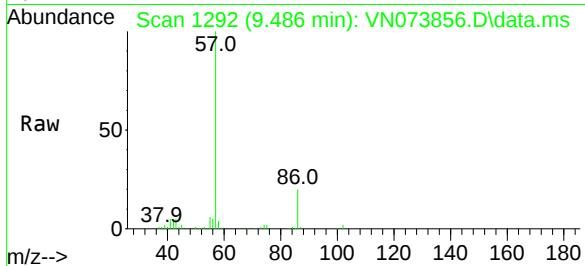




#48
Methyl methacrylate
Concen: 1.750 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

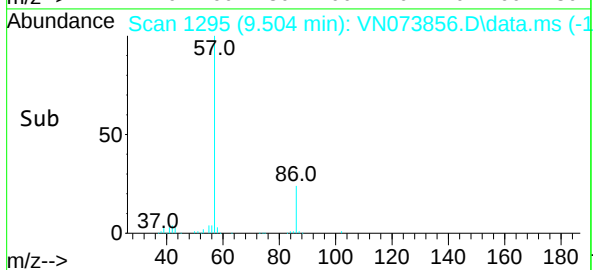
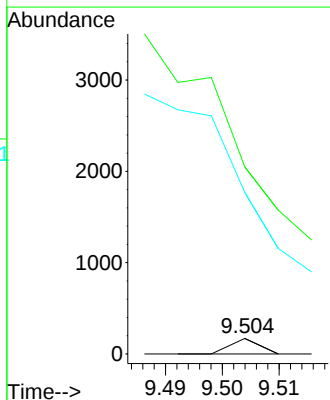
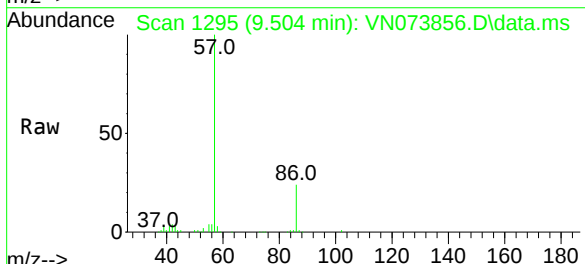
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#03

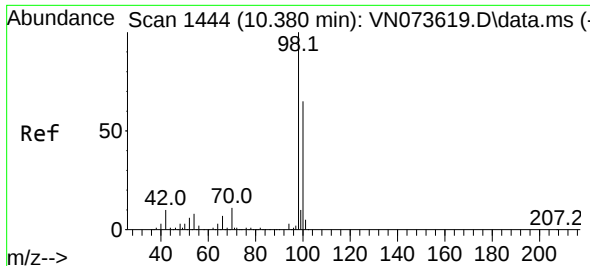
Tgt Ion: 41 Resp: 8334
Ion Ratio Lower Upper
41 100
69 1.5 74.7 112.1#
39 55.4 45.6 68.4



#49
1,4-Dioxane
Concen: 0.447 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 10450.0 54.2 81.4#

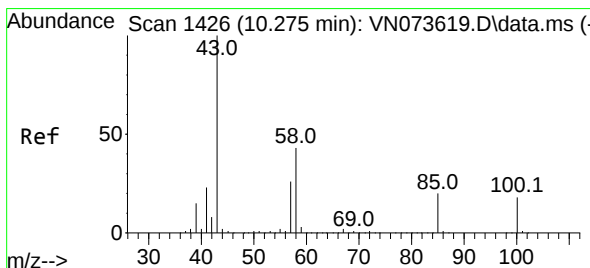
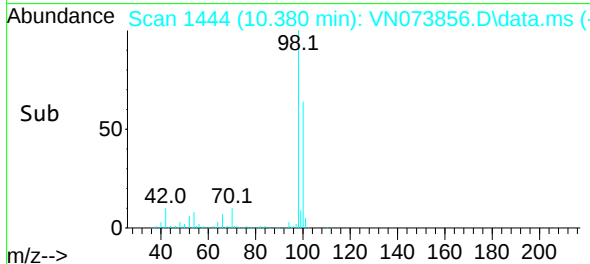
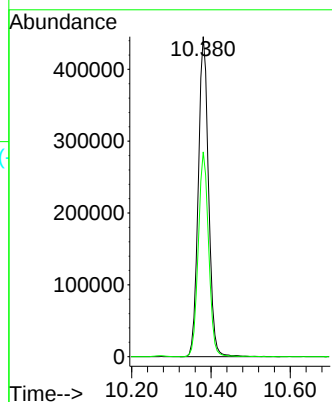
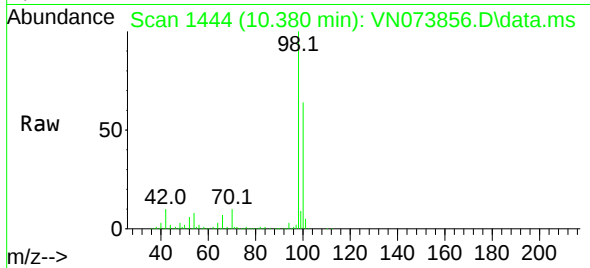




#50
Toluene-d8
Concen: 47.313 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

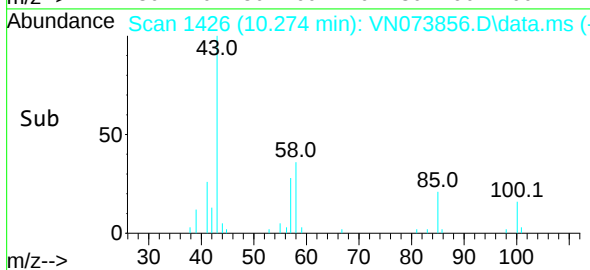
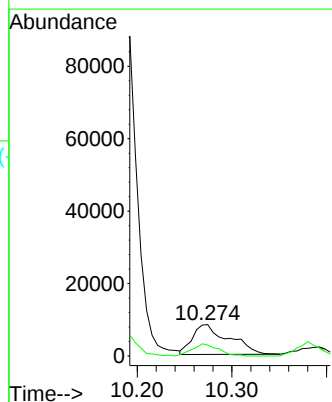
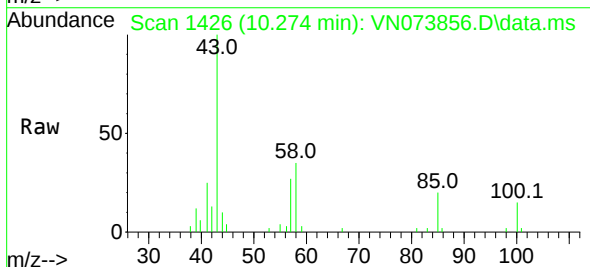
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#03

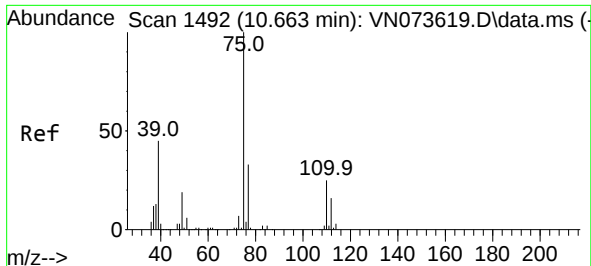
Tgt Ion: 98 Resp: 799153
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.804 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

Tgt Ion: 43 Resp: 21883
Ion Ratio Lower Upper
43 100
58 29.2 34.1 51.1#

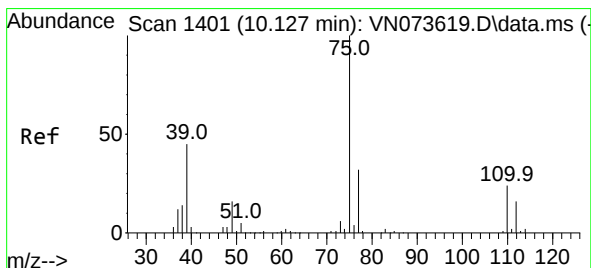
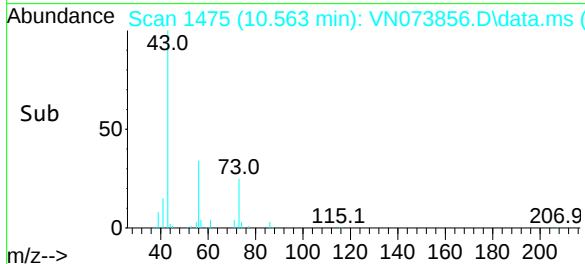
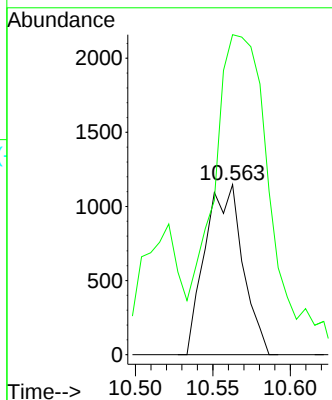
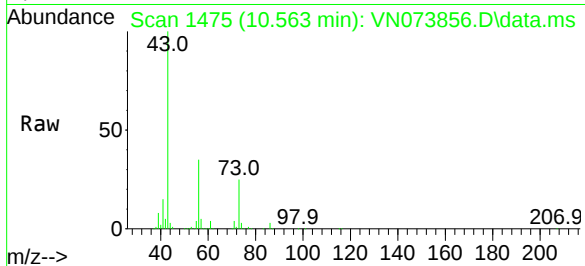




#53
t-1,3-Dichloropropene
Concen: 0.296 ug/l
RT: 10.563 min Scan# 1410
Delta R.T. -0.100 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

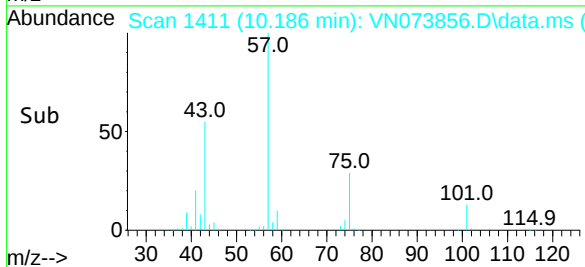
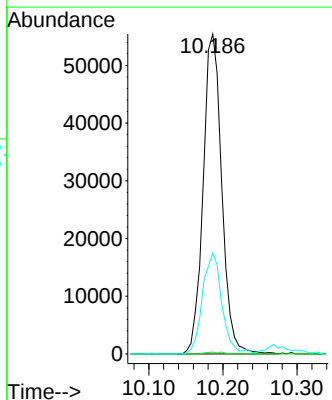
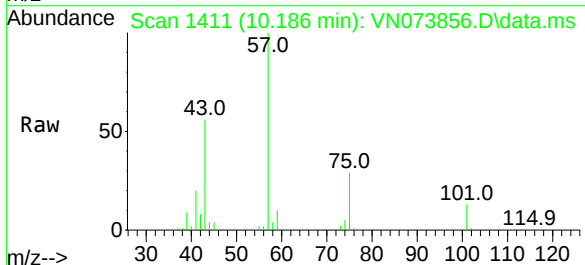
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#03

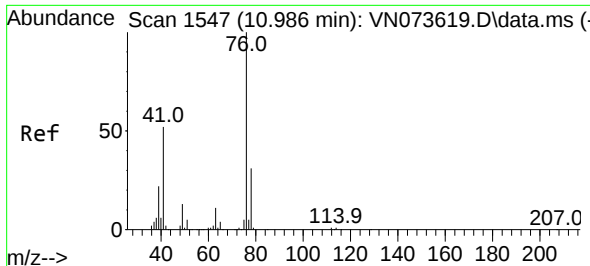
Tgt Ion: 75 Resp: 1933
Ion Ratio Lower Upper
75 100
77 139.6 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 13.134 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

Tgt Ion: 75 Resp: 96708
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 31.5 35.7 53.5#

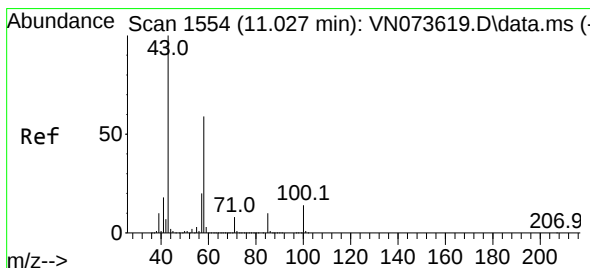
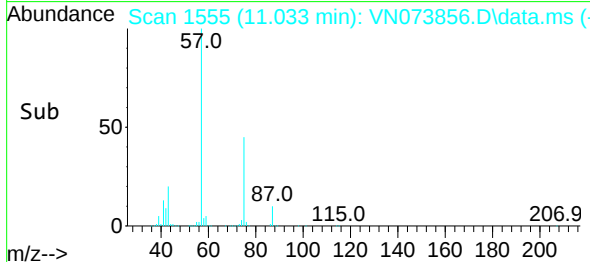
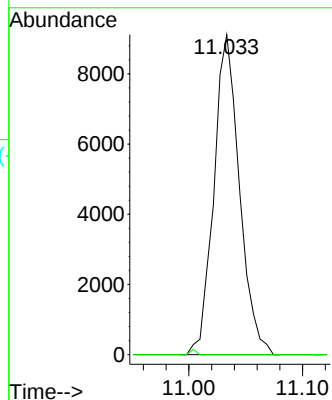
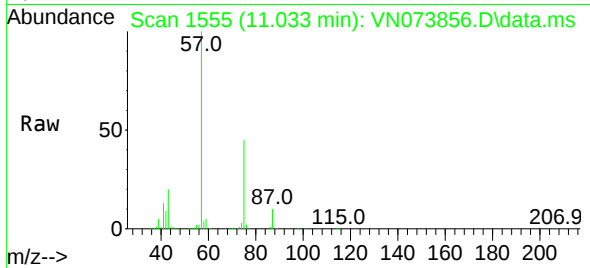




#57
1,3-Dichloropropane
Concen: 1.662 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.047 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

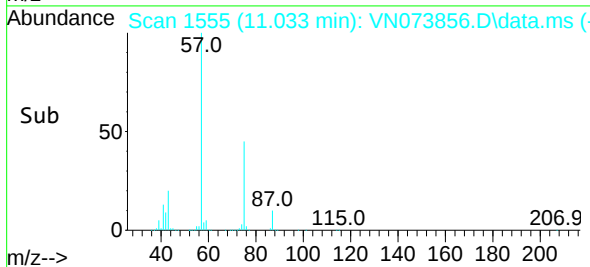
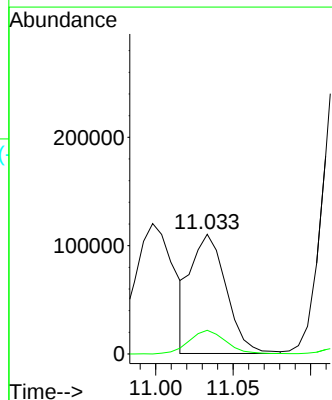
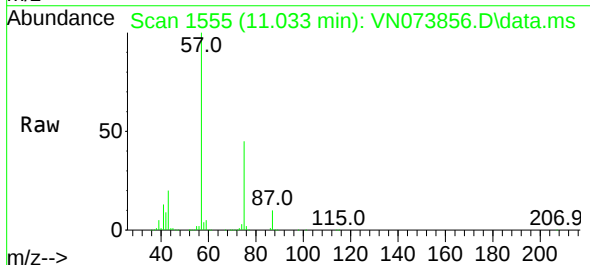
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#03

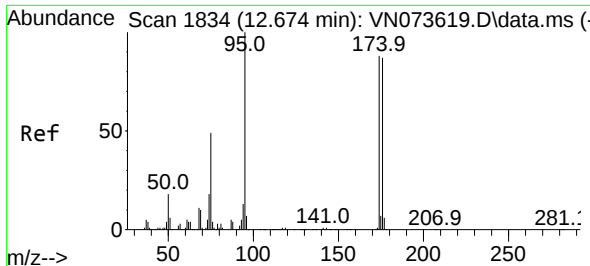
Tgt Ion: 76 Resp: 14267
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 29.451 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

Tgt Ion: 43 Resp: 174155
Ion Ratio Lower Upper
43 100
58 20.9 29.7 89.1#

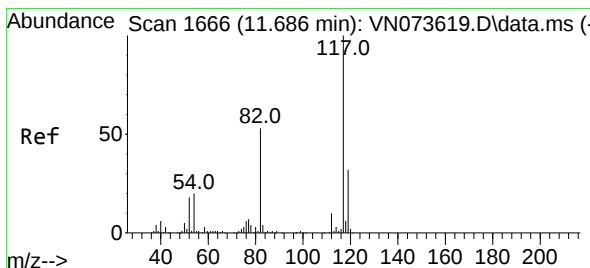
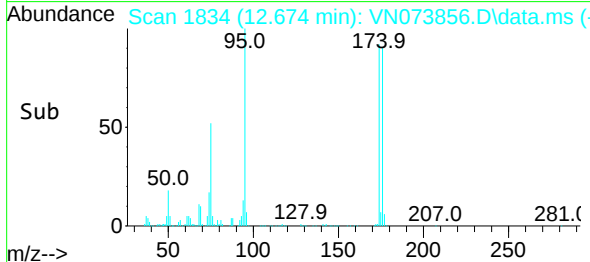
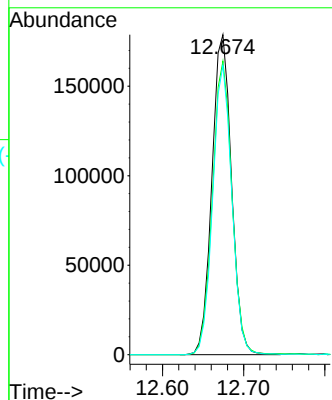
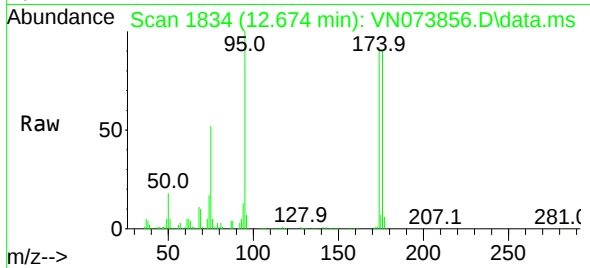




#62
4-Bromofluorobenzene
Concen: 50.524 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

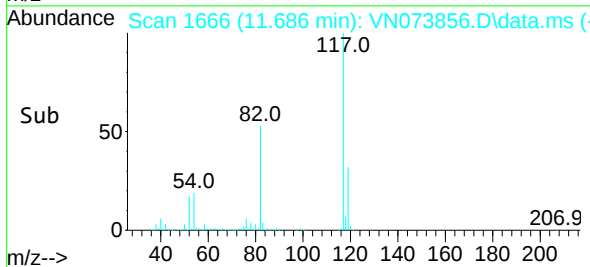
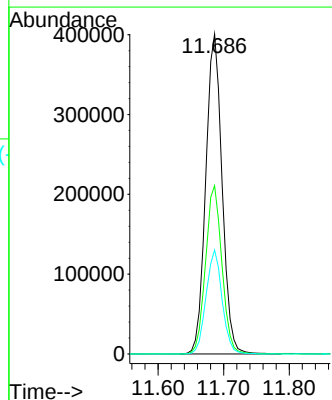
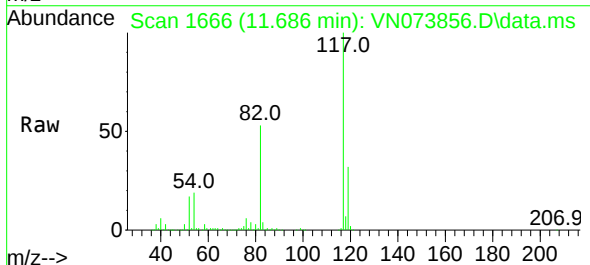
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#03

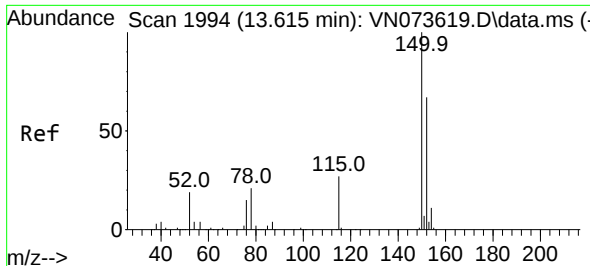
Tgt Ion: 95 Resp: 299764
Ion Ratio Lower Upper
95 100
174 91.3 0.0 167.6
176 88.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

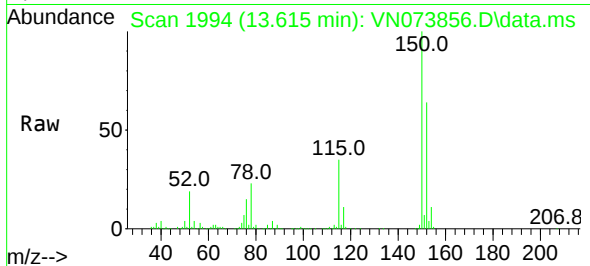
Tgt Ion: 117 Resp: 695062
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 32.5 25.4 38.0



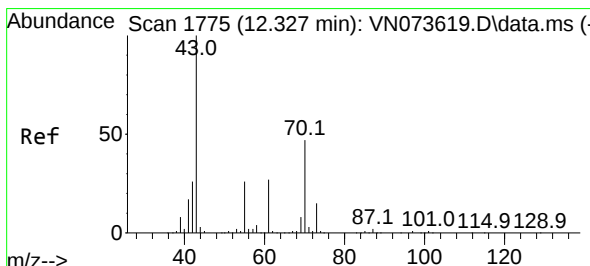
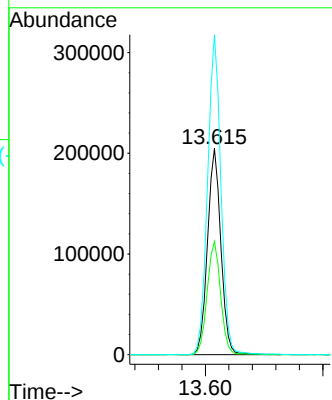
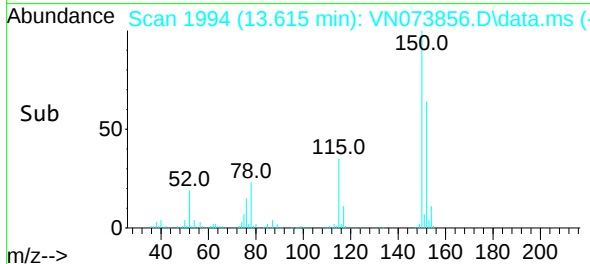


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

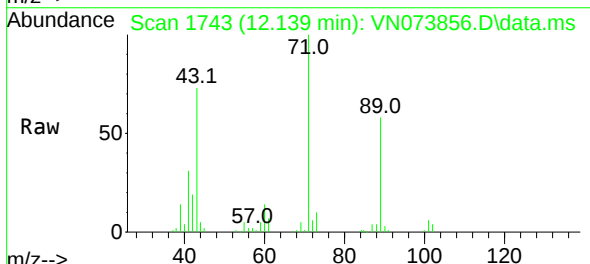
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#03



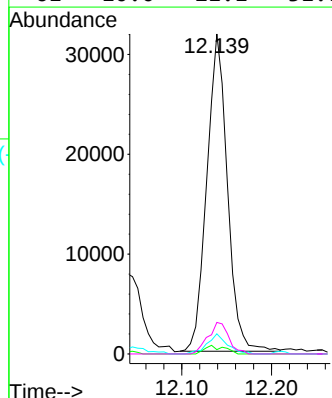
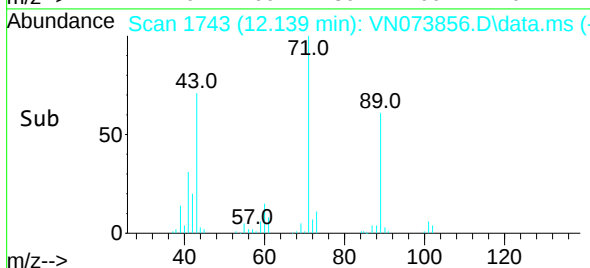
Tgt Ion:152 Resp: 325210
Ion Ratio Lower Upper
152 100
115 55.3 28.9 86.7
150 154.3 0.0 356.2

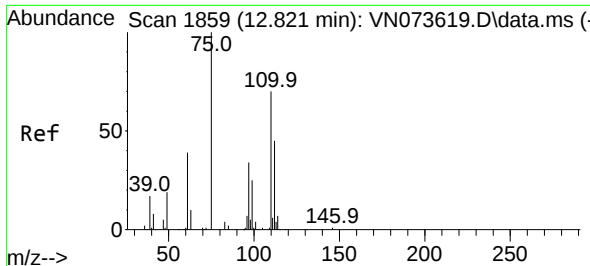


#74
N-ethyl acetate
Concen: 5.626 ug/l
RT: 12.139 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02



Tgt Ion: 43 Resp: 50605
Ion Ratio Lower Upper
43 100
70 2.6 39.0 58.4#
55 6.2 21.1 31.7#
61 10.0 21.1 31.7#

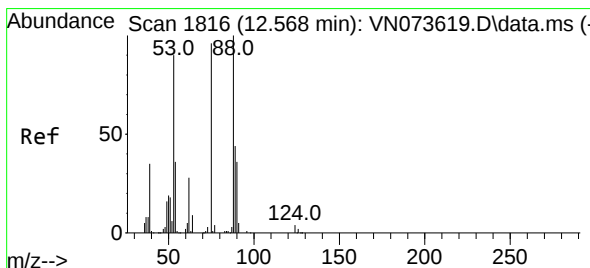
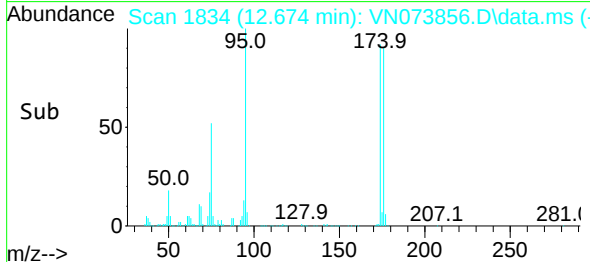
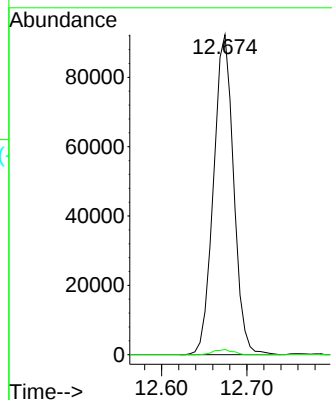
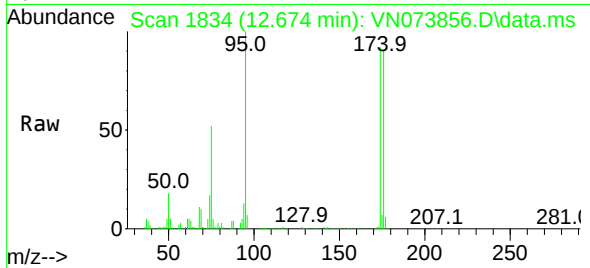




#76
1,2,3-Trichloropropane
Concen: 23.774 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#03

Tgt Ion: 75 Resp: 151708
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.454 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073856.D
Acq: 12 Aug 2022 17:02

Tgt Ion: 75 Resp: 151708
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#

