

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
 Data File : VN073648.D
 Acq On : 29 Jul 2022 20:40
 Operator : JC\MD
 Sample : N3920-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB-07-27-2022

Quant Time: Aug 01 04:10:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

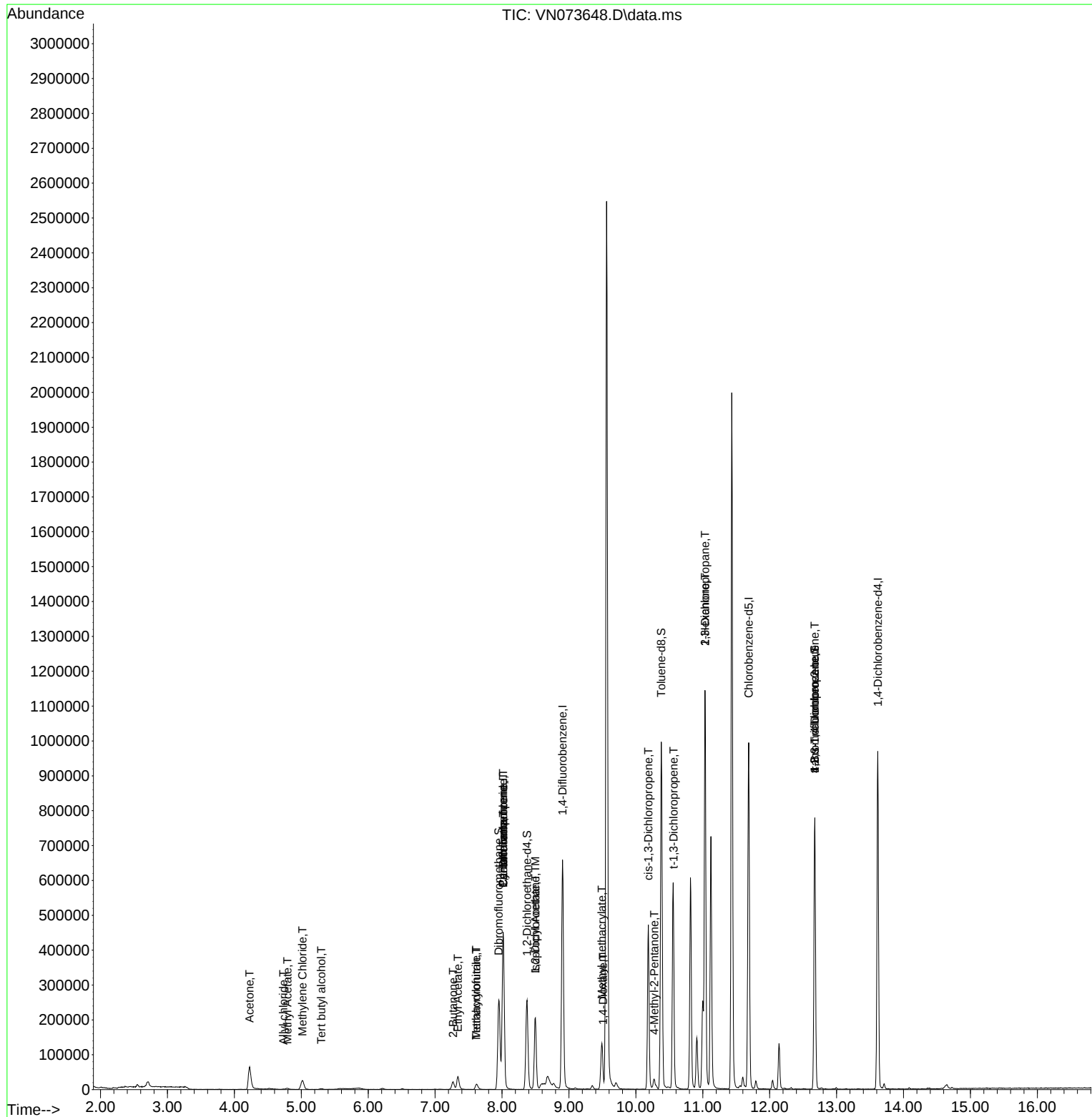
Internal Standards						
1) Pentafluorobenzene	8.016	168	361854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	589437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	592736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	268005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	214535	48.650	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.300%
35) Dibromofluoromethane	7.951	113	197364	53.323	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.640%
50) Toluene-d8	10.381	98	692391	47.538	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.080%
62) 4-Bromofluorobenzene	12.675	95	254721	51.952	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	699	Below Cal	#	43
6) Chloroethane	2.946	64	379	Below Cal	#	42
11) Tert butyl alcohol	5.299	59	3722	3.914	ug/l #	76
14) Allyl chloride	4.734	41	1804	0.329	ug/l #	24
16) Acetone	4.228	43	116715	49.277	ug/l	98
18) Methyl Acetate	4.793	43	6906	1.172	ug/l	94
20) Methylene Chloride	5.016	84	21829	3.654	ug/l	97
25) 2-Butanone	7.269	43	34084	9.266	ug/l	95
29) Tetrahydrofuran	7.616	42	12002	5.161	ug/l	97
31) Cyclohexane	8.016	56	7228	1.101	ug/l #	34
36) 1,1-Dichloropropene	8.016	75	26137	4.955	ug/l #	49
37) Ethyl Acetate	7.340	43	59245	8.528	ug/l	97
38) Carbon Tetrachloride	8.016	117	33375	6.229	ug/l #	18
41) Methacrylonitrile	7.616	41	7084	2.253	ug/l #	41
42) 1,2-Dichloroethane	8.498	62	1562	0.271	ug/l #	74
43) Isopropyl Acetate	8.498	43	228104	24.309	ug/l #	92
48) Methyl methacrylate	9.492	41	8245	2.007	ug/l #	38
49) 1,4-Dioxane	9.510	88	298	2.574	ug/l #	25
51) 4-Methyl-2-Pentanone	10.275	43	27263	4.051	ug/l #	78
53) t-1,3-Dichloropropene	10.563	75	1916	0.340	ug/l #	1
54) cis-1,3-Dichloropropene	10.186	75	86186	13.574	ug/l #	66
57) 1,3-Dichloropropane	11.033	76	12343	1.667	ug/l #	43
59) 2-Hexanone	11.033	43	154591	30.317	ug/l #	49
76) 1,2,3-Trichloropropane	12.675	75	134471	25.831	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	134471	65.023	ug/l #	10

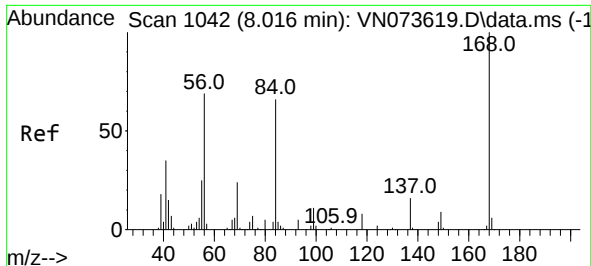
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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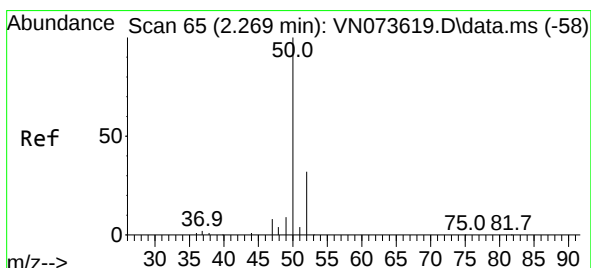
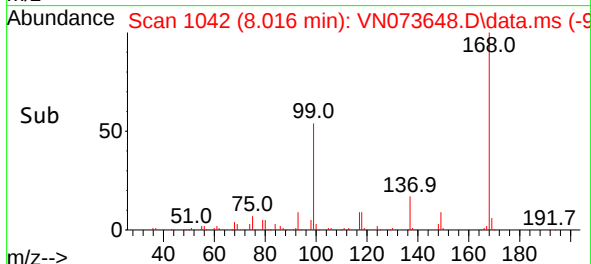
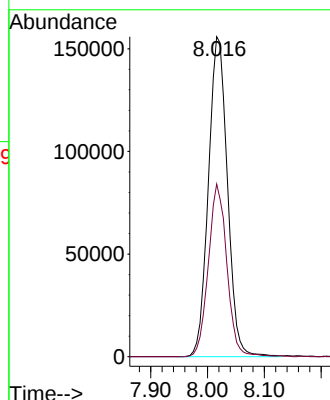
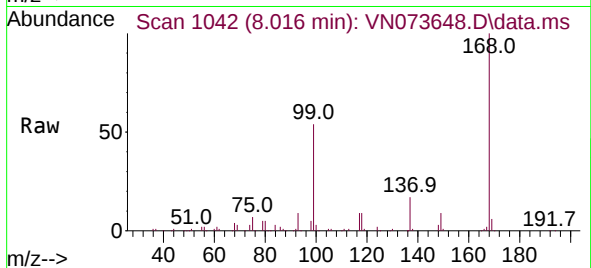




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

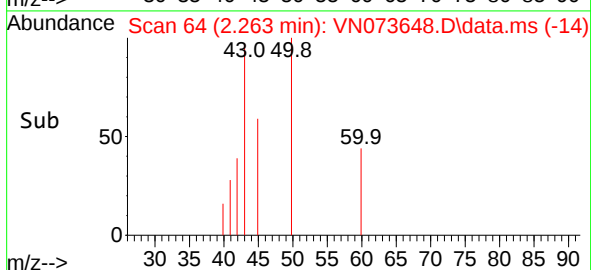
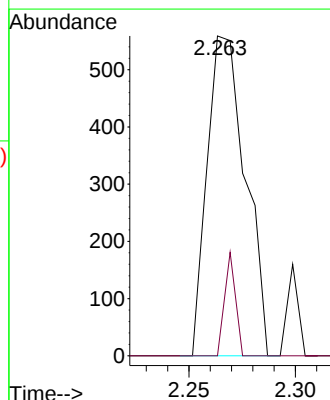
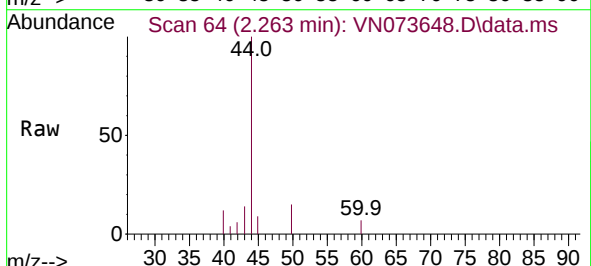
Instrument :
MSVOA_N
ClientSampleId :
PB-07-27-2022

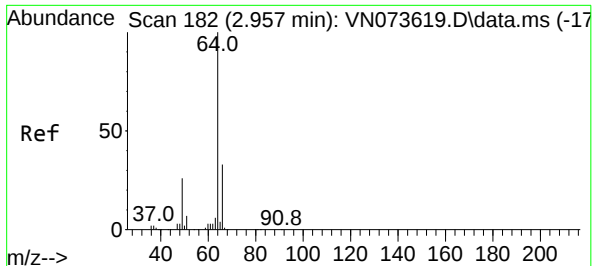
Tgt Ion:168 Resp: 361854
Ion Ratio Lower Upper
168 100
99 54.0 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

Tgt Ion: 50 Resp: 699
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

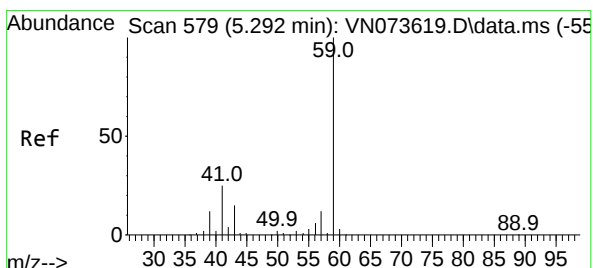
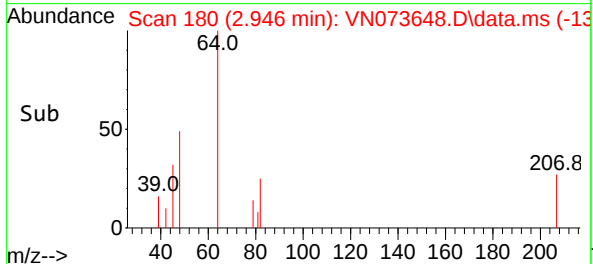
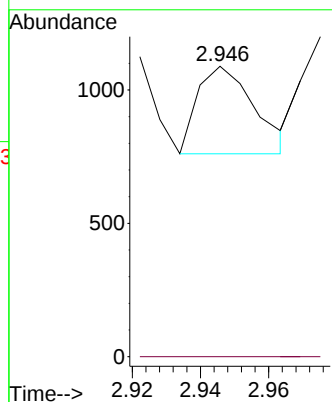
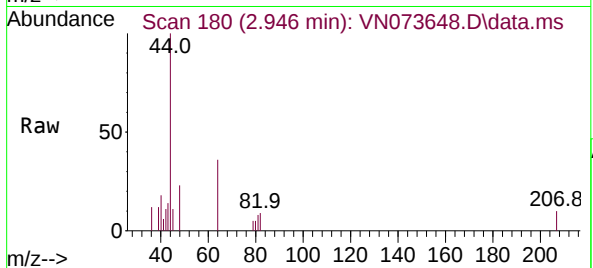




#6
Chloroethane
Concen: Below Cal
RT: 2.946 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

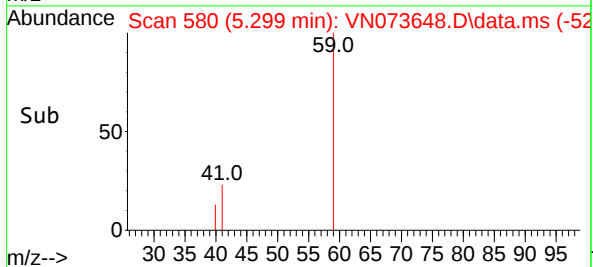
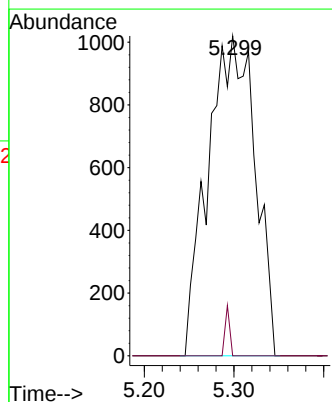
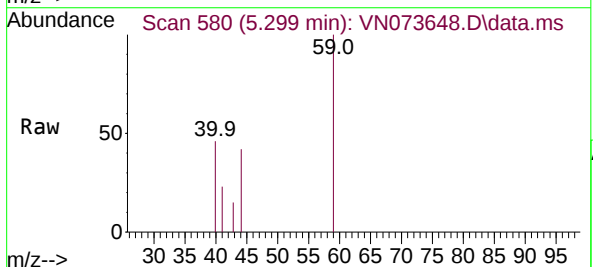
Instrument :
MSVOA_N
ClientSampleId :
PB-07-27-2022

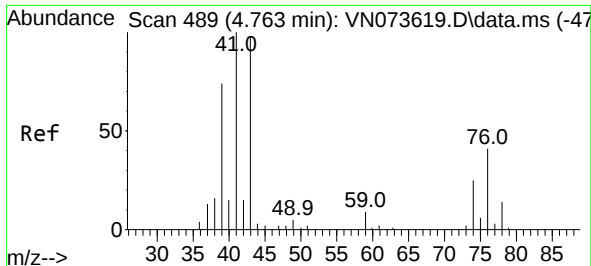
Tgt Ion: 64 Resp: 379
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 3.914 ug/l
RT: 5.299 min Scan# 580
Delta R.T. 0.007 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

Tgt Ion: 59 Resp: 3722
Ion Ratio Lower Upper
59 100
57 1.5 8.3 12.5#

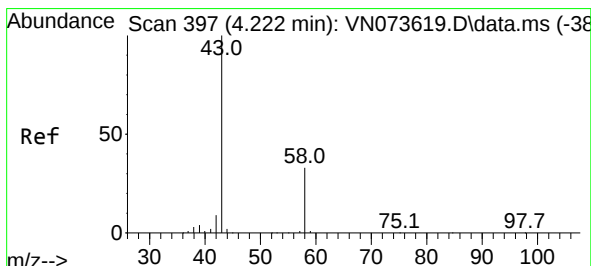
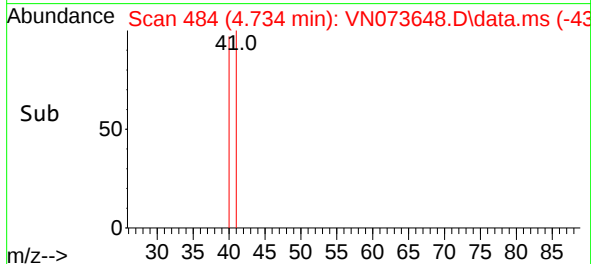
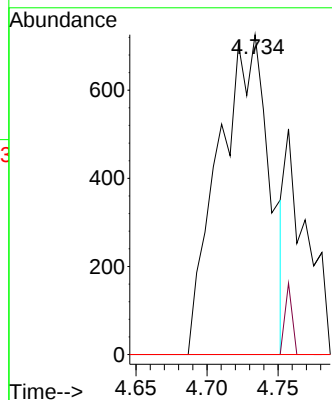
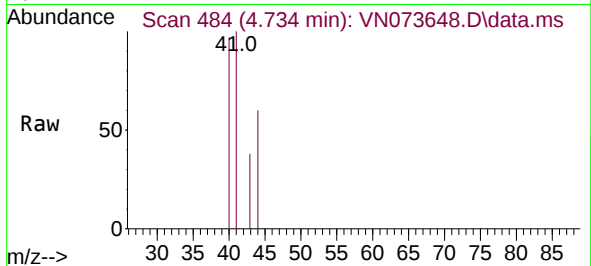




#14
 Allyl chloride
 Concen: 0.329 ug/l
 RT: 4.734 min Scan# 41
 Delta R.T. -0.029 min
 Lab File: VN073648.D
 Acq: 29 Jul 2022 20:40

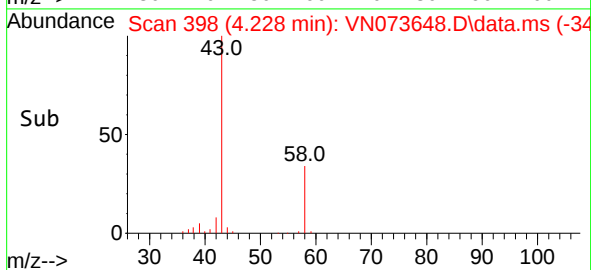
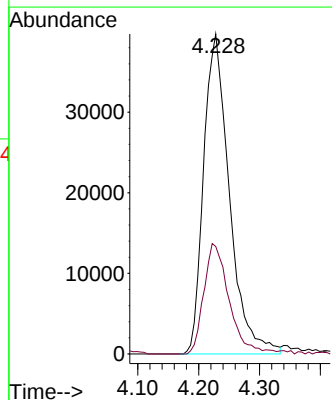
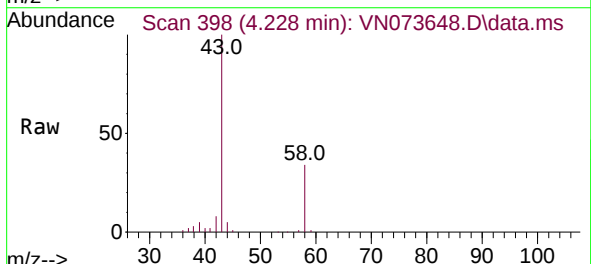
Instrument :
 MSVOA_N
 ClientSampleId :
 PB-07-27-2022

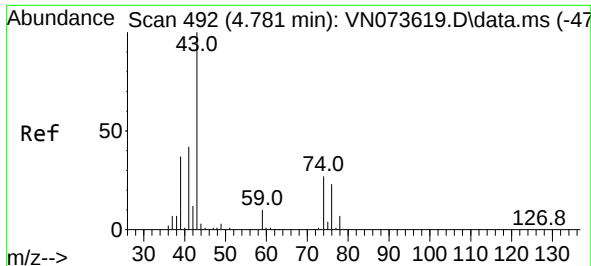
Tgt Ion: 41	Resp: 1804
Ion Ratio	Lower Upper
41	100
39	0.0 53.2 79.8#
76	0.0 29.9 44.9#



#16
 Acetone
 Concen: 49.277 ug/l
 RT: 4.228 min Scan# 398
 Delta R.T. 0.006 min
 Lab File: VN073648.D
 Acq: 29 Jul 2022 20:40

Tgt Ion: 43	Resp: 116715
Ion Ratio	Lower Upper
43	100
58	33.6 26.0 39.0

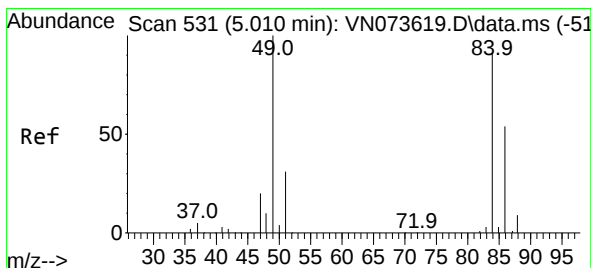
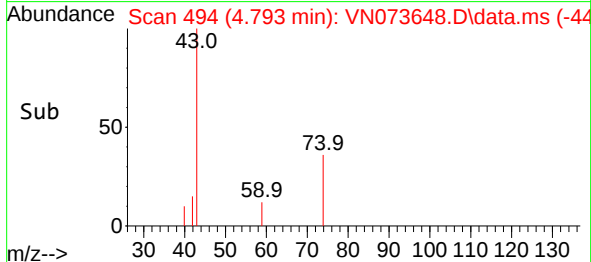
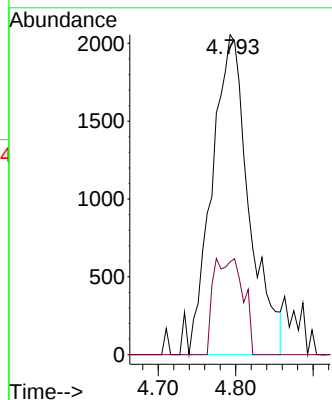
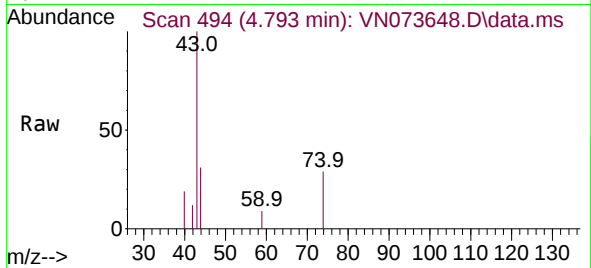




#18
Methyl Acetate
Concen: 1.172 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

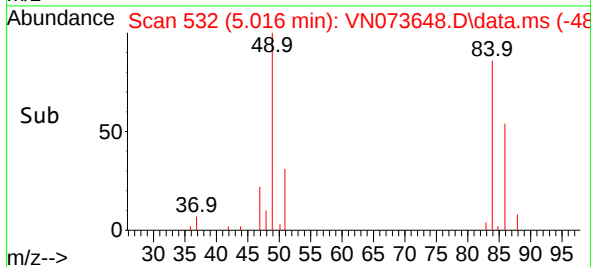
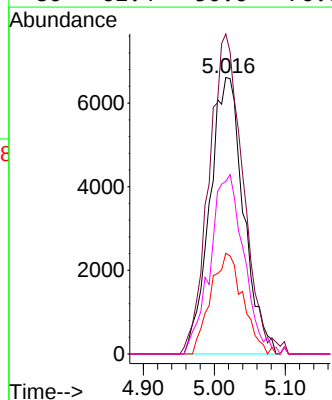
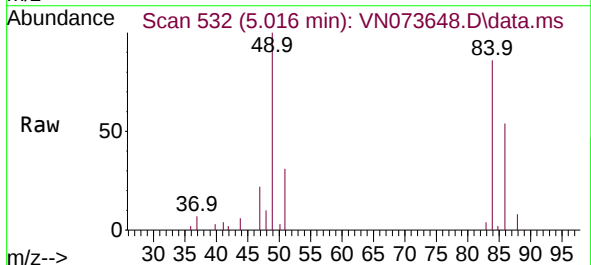
Instrument :
MSVOA_N
ClientSampleId :
PB-07-27-2022

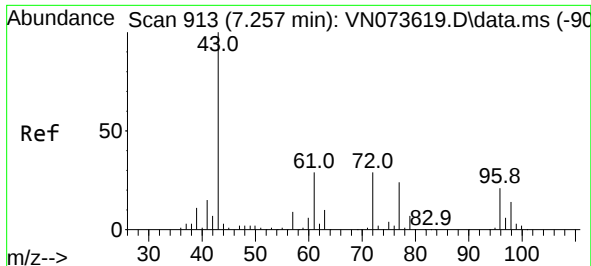
Tgt Ion: 43 Resp: 6906
Ion Ratio Lower Upper
43 100
74 23.7 21.6 32.4



#20
Methylene Chloride
Concen: 3.654 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

Tgt Ion: 84 Resp: 21829
Ion Ratio Lower Upper
84 100
49 115.7 88.3 132.5
51 36.4 28.2 42.2
86 62.4 50.6 76.0





#25

2-Butanone

Concen: 9.266 ug/l

RT: 7.269 min Scan# 915

Delta R.T. 0.012 min

Lab File: VN073648.D

Acq: 29 Jul 2022 20:40

Instrument :

MSVOA_N

ClientSampleId :

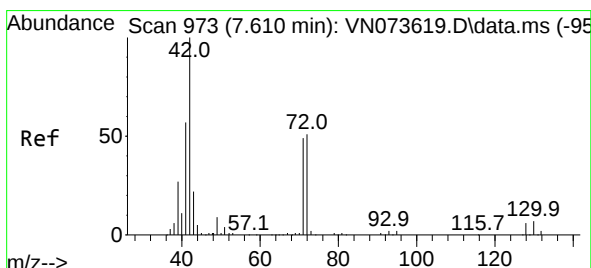
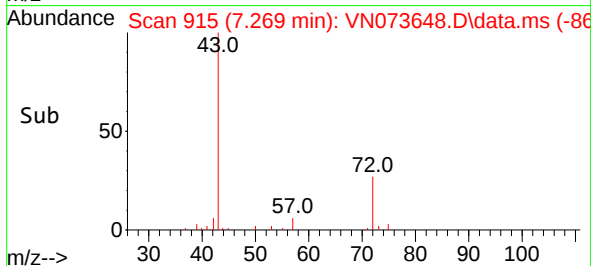
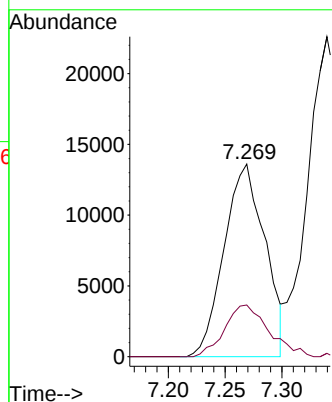
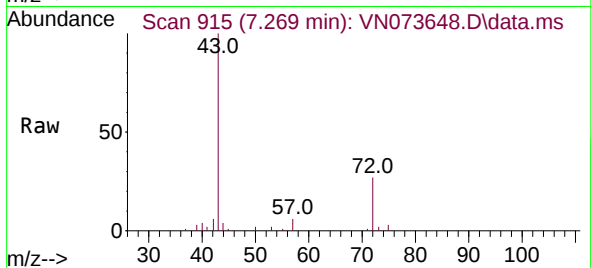
PB-07-27-2022

Tgt Ion: 43 Resp: 34084

Ion Ratio Lower Upper

43 100

72 26.8 23.7 35.5



#29

Tetrahydrofuran

Concen: 5.161 ug/l

RT: 7.616 min Scan# 974

Delta R.T. 0.006 min

Lab File: VN073648.D

Acq: 29 Jul 2022 20:40

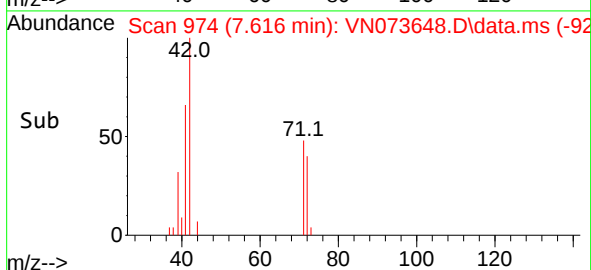
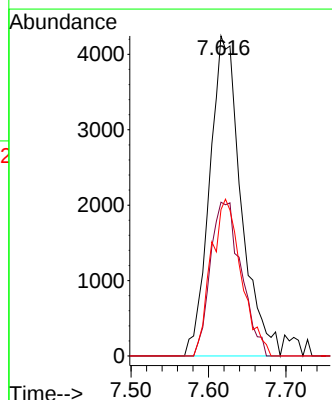
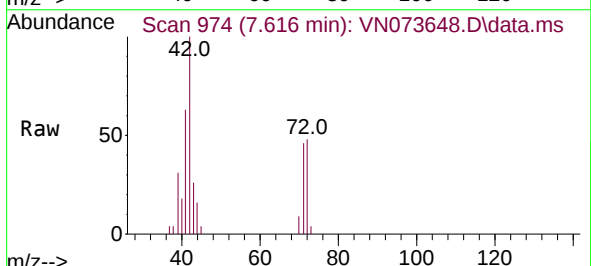
Tgt Ion: 42 Resp: 12002

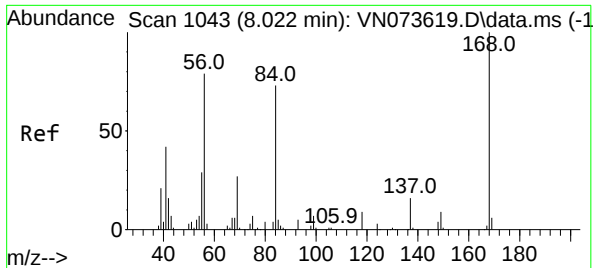
Ion Ratio Lower Upper

42 100

72 47.2 39.7 59.5

71 47.1 36.6 55.0

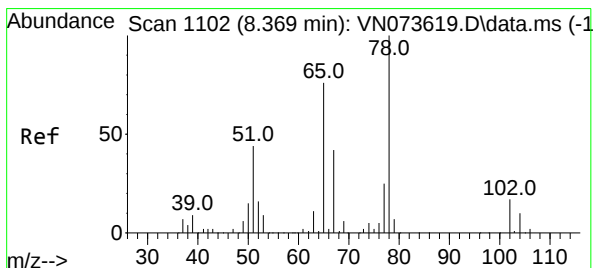
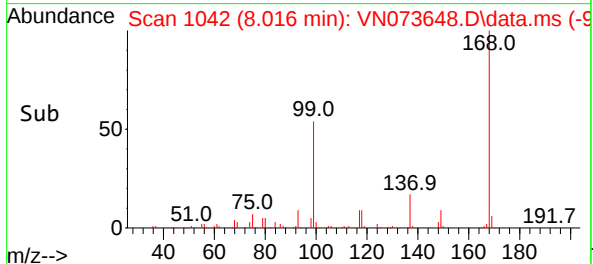
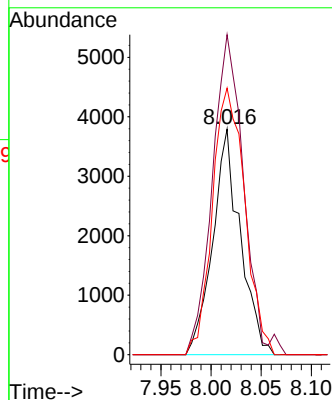
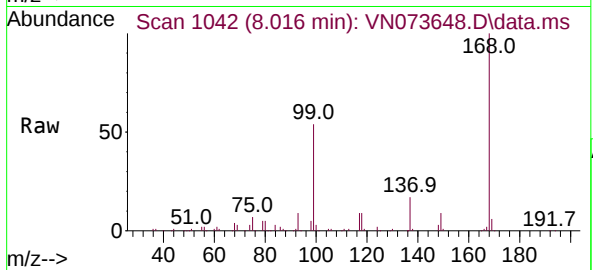




#31
Cyclohexane
Concen: 1.101 ug/l
RT: 8.016 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

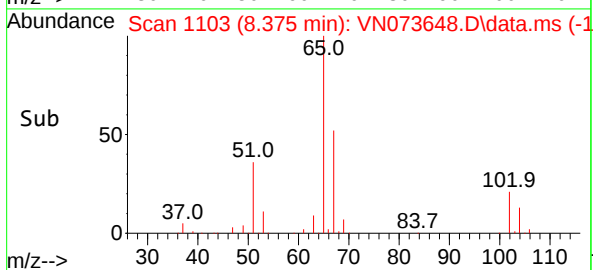
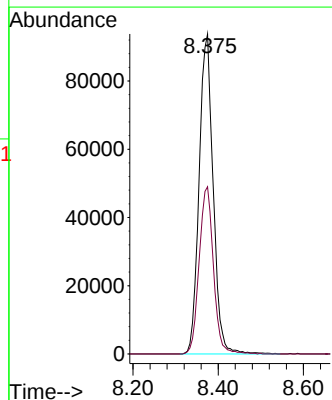
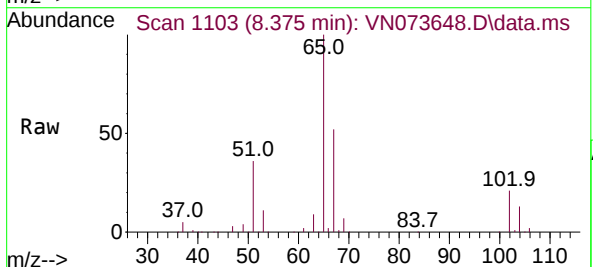
Instrument :
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PB-07-27-2022

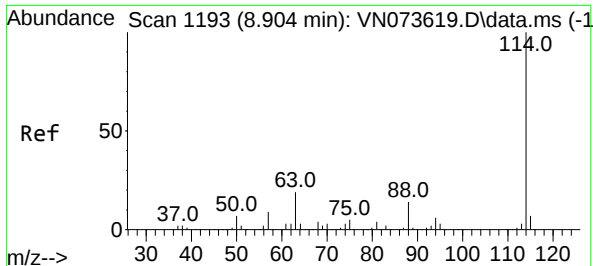
Tgt Ion: 56 Resp: 7228
Ion Ratio Lower Upper
56 100
69 141.8 27.8 41.8#
84 118.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.650 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

Tgt Ion: 65 Resp: 214535
Ion Ratio Lower Upper
65 100
67 53.1 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: VN073648.D

Acq: 29 Jul 2022 20:40

Instrument :

MSVOA_N

ClientSampleId :

PB-07-27-2022

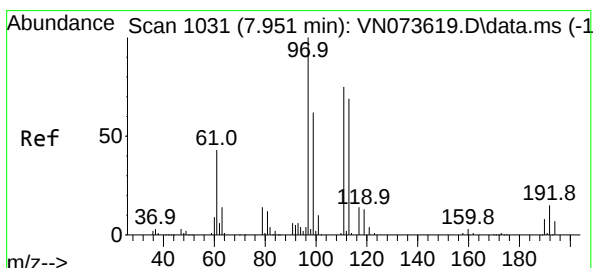
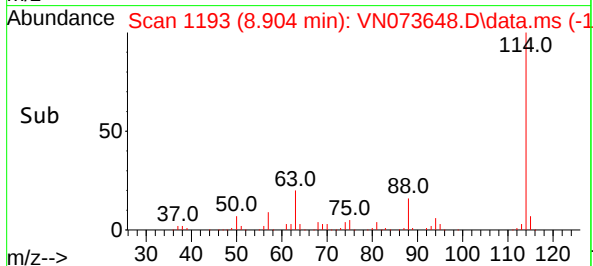
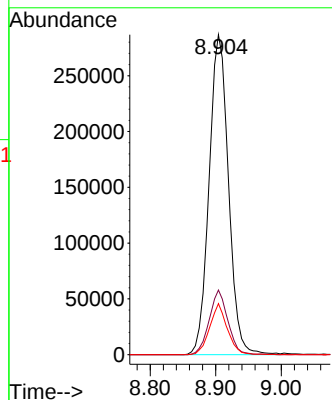
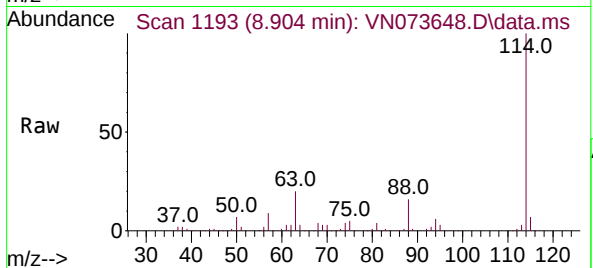
Tgt Ion:114 Resp: 589437

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.323 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073648.D

Acq: 29 Jul 2022 20:40

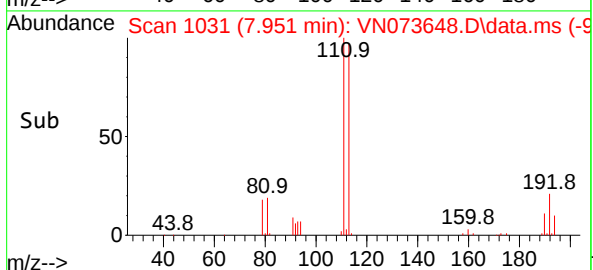
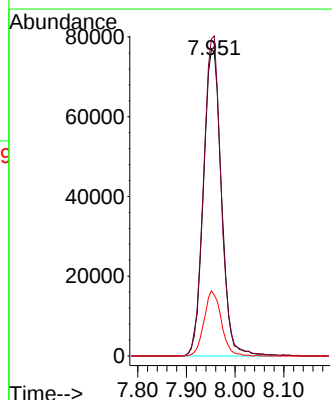
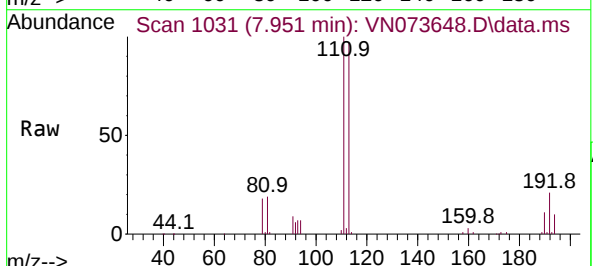
Tgt Ion:113 Resp: 197364

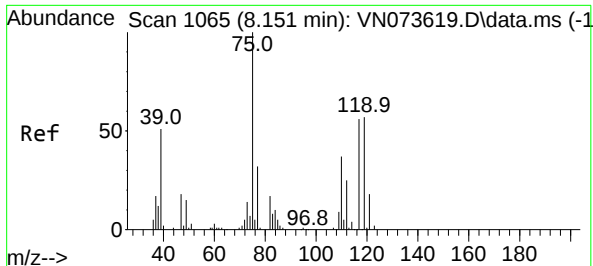
Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

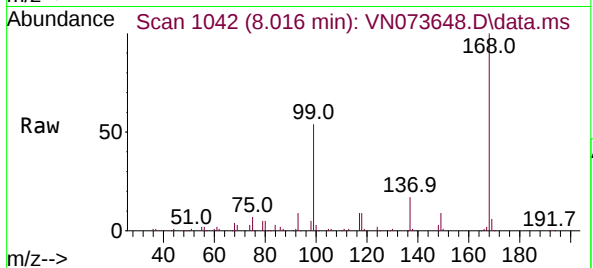
192 20.3 17.0 25.6



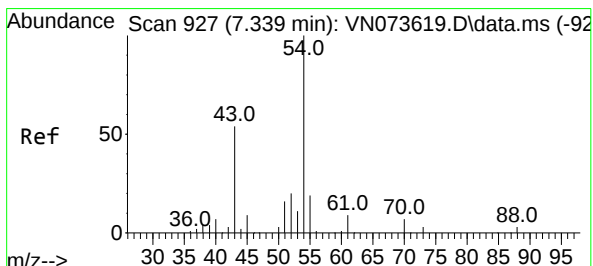
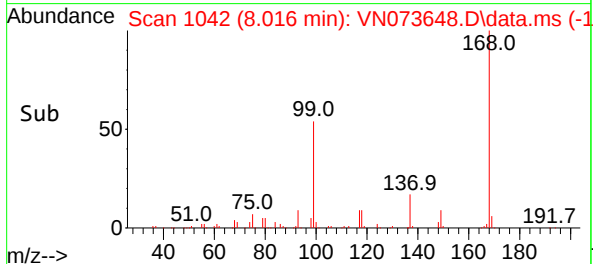
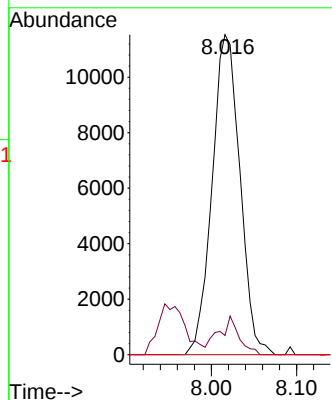


#36
1,1-Dichloropropene
Concen: 4.955 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

Instrument :
MSVOA_N
ClientSampleId :
PB-07-27-2022

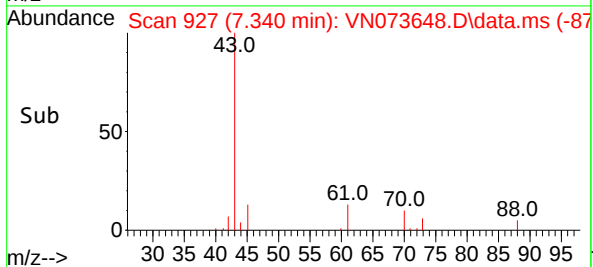
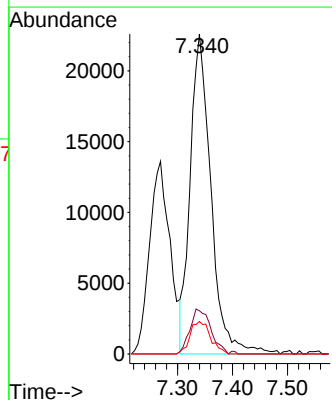
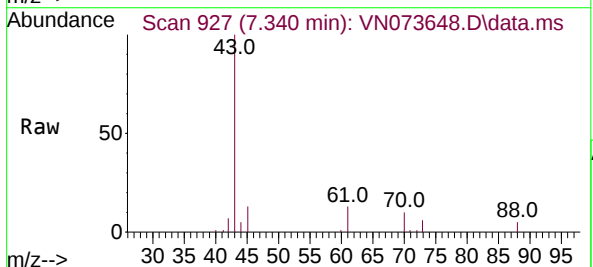


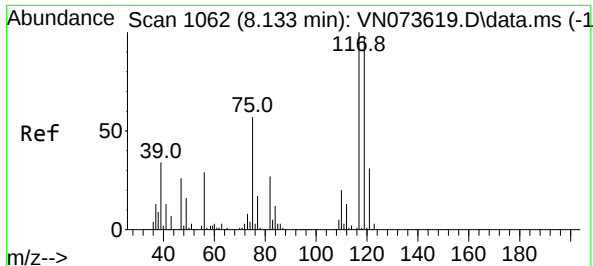
Tgt Ion: 75 Resp: 26137
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.528 ug/l
RT: 7.340 min Scan# 927
Delta R.T. 0.000 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

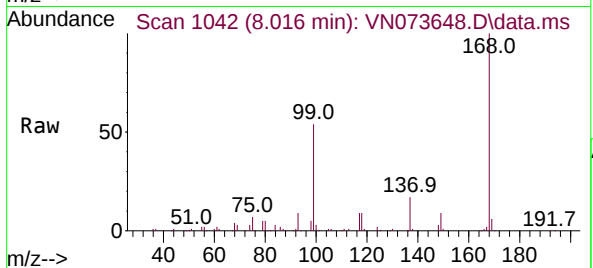
Tgt Ion: 43 Resp: 59245
Ion Ratio Lower Upper
43 100
61 14.1 11.8 17.6
70 10.0 9.3 13.9



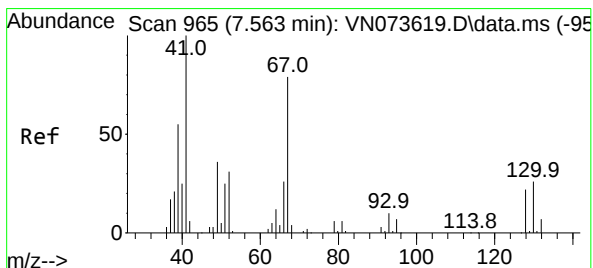
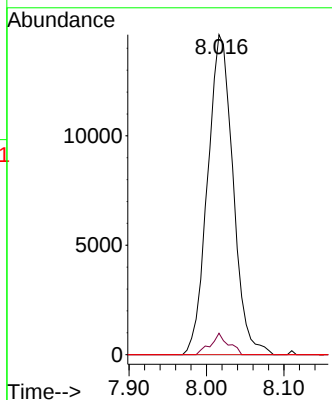
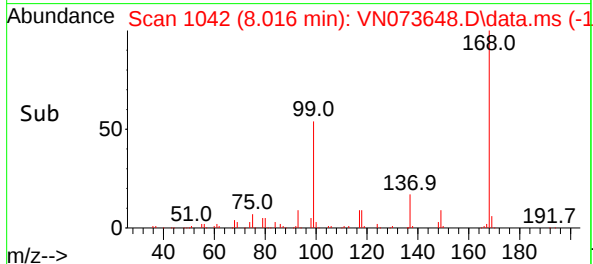


#38
Carbon Tetrachloride
Concen: 6.229 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

Instrument :
MSVOA_N
ClientSampleId :
PB-07-27-2022

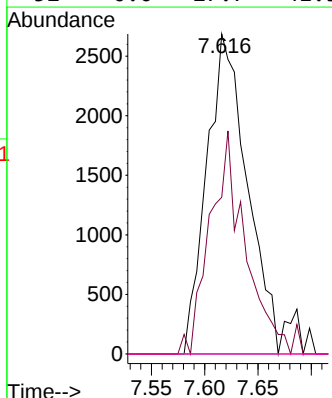
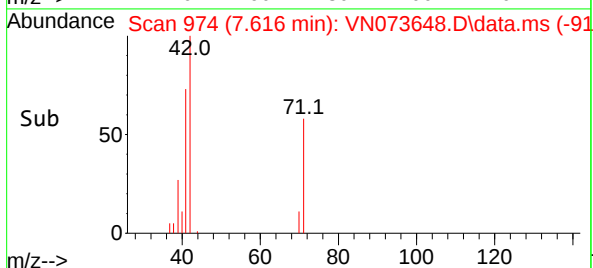
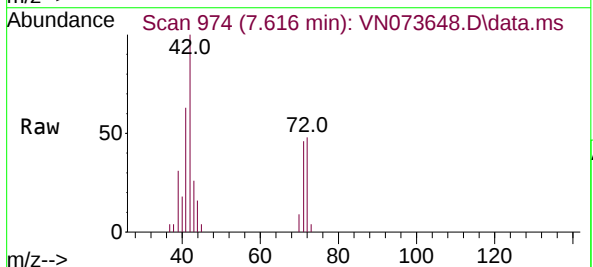


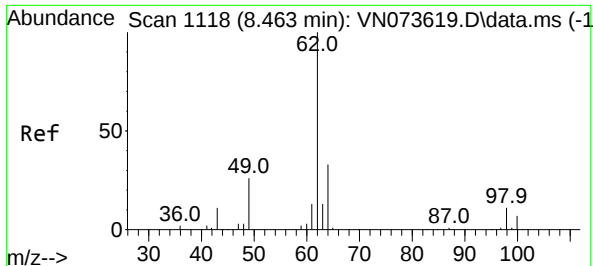
Tgt Ion:117 Resp: 33375
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 2.253 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.053 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

Tgt Ion: 41 Resp: 7084
Ion Ratio Lower Upper
41 100
39 60.1 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: 8.498 min Scan# 1124

Delta R.T. 0.035 min

Lab File: VN073648.D

Acq: 29 Jul 2022 20:40

Instrument :

MSVOA_N

ClientSampleId :

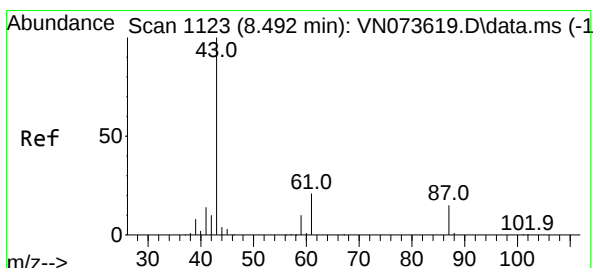
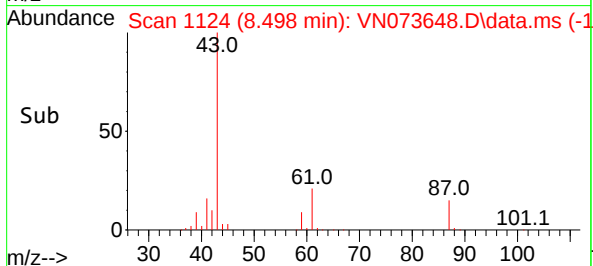
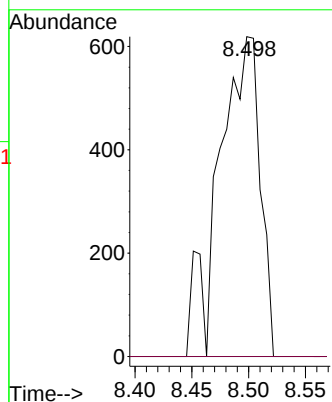
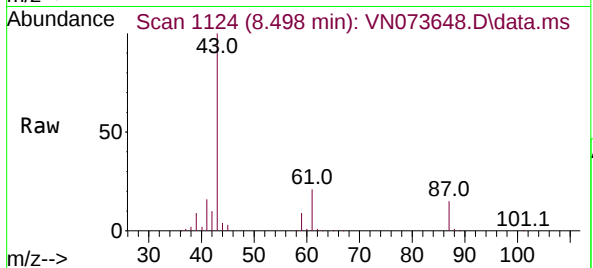
PB-07-27-2022

Tgt Ion: 62 Resp: 1562

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 24.309 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073648.D

Acq: 29 Jul 2022 20:40

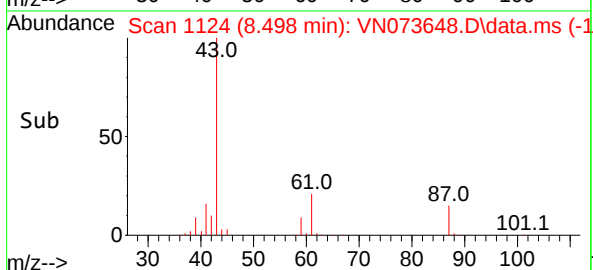
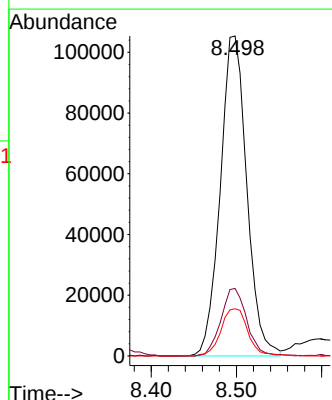
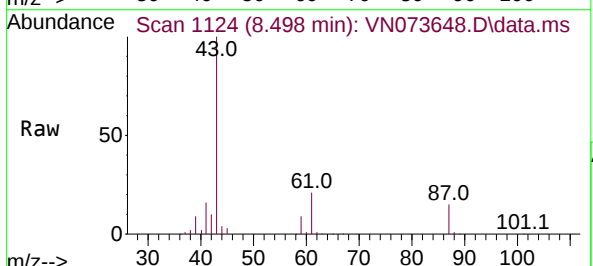
Tgt Ion: 43 Resp: 228104

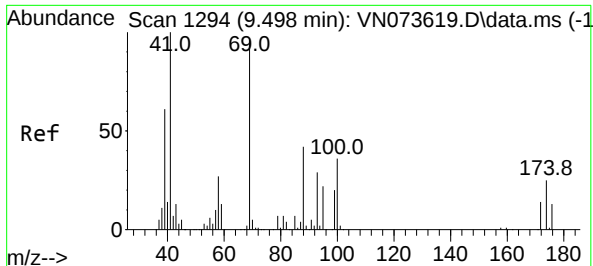
Ion Ratio Lower Upper

43 100

61 20.7 21.9 32.9#

87 15.0 12.0 18.0

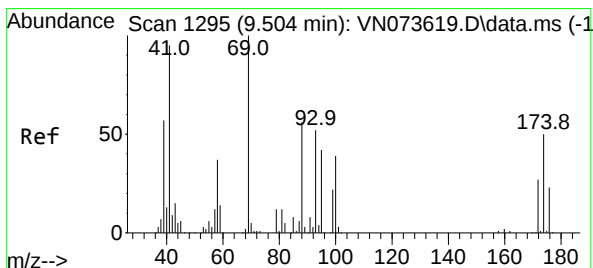
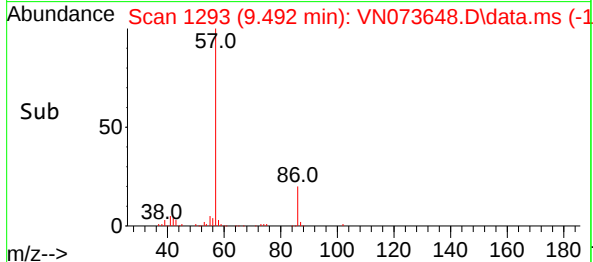
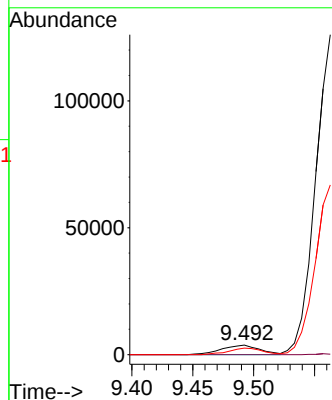
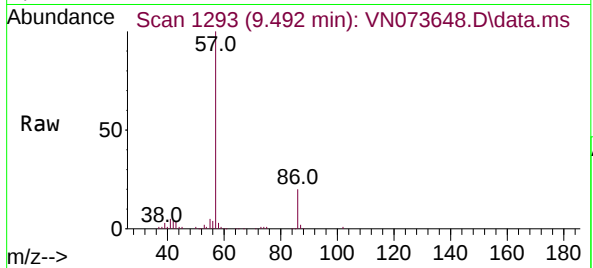




#48
Methyl methacrylate
Concen: 2.007 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

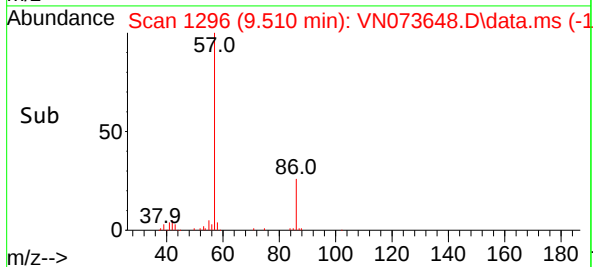
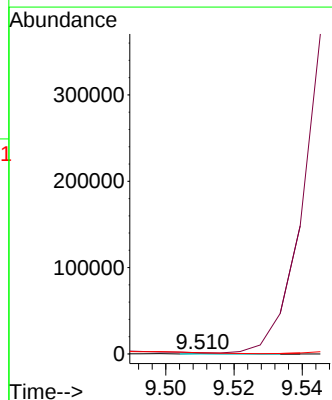
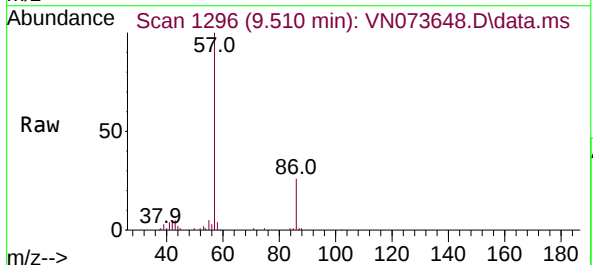
Instrument :
MSVOA_N
ClientSampleId :
PB-07-27-2022

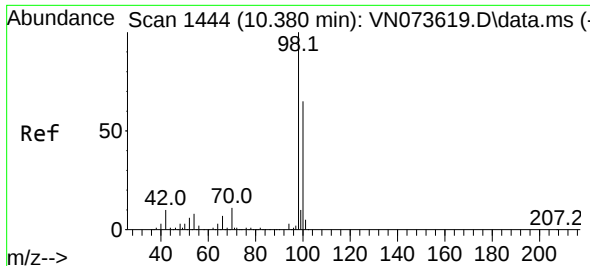
Tgt Ion: 41 Resp: 8245
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 61.1 45.6 68.4



#49
1,4-Dioxane
Concen: 2.574 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

Tgt Ion: 88 Resp: 298
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

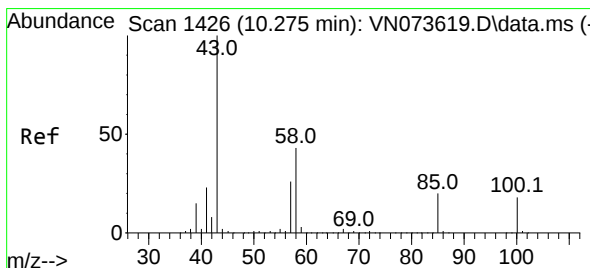
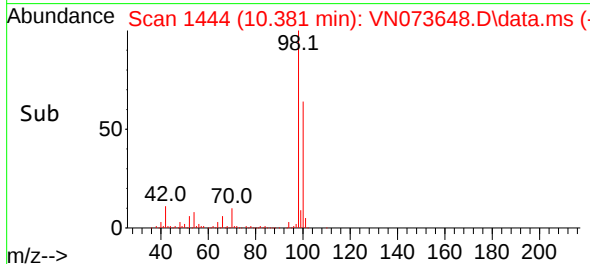
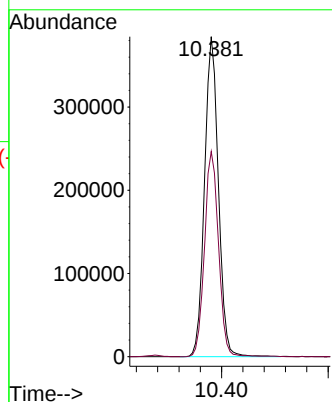
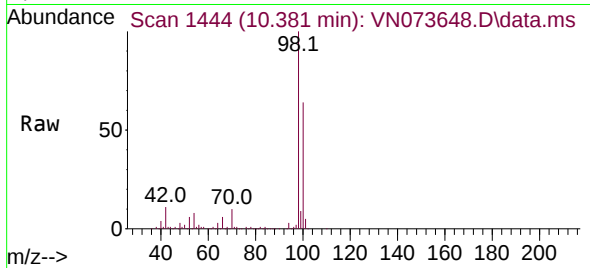




#50
Toluene-d8
Concen: 47.538 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

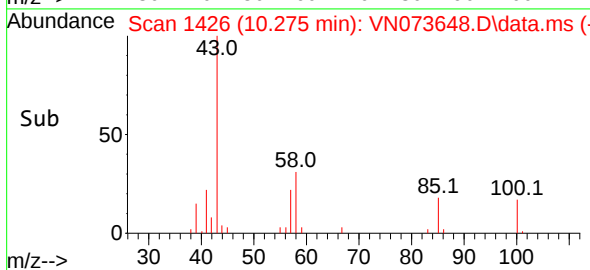
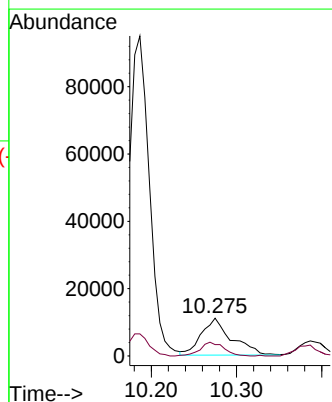
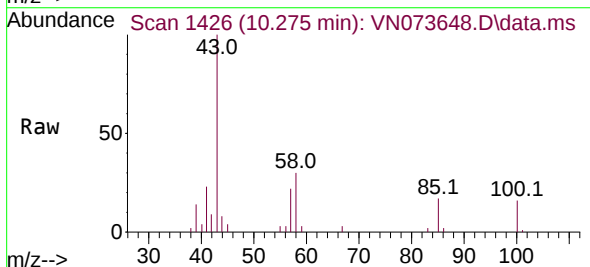
Instrument :
MSVOA_N
ClientSampleId :
PB-07-27-2022

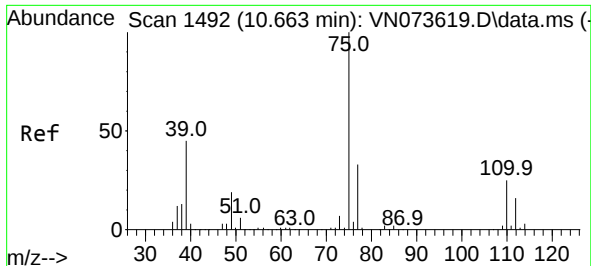
Tgt Ion: 98 Resp: 692391
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 4.051 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

Tgt Ion: 43 Resp: 27263
Ion Ratio Lower Upper
43 100
58 28.9 34.1 51.1#

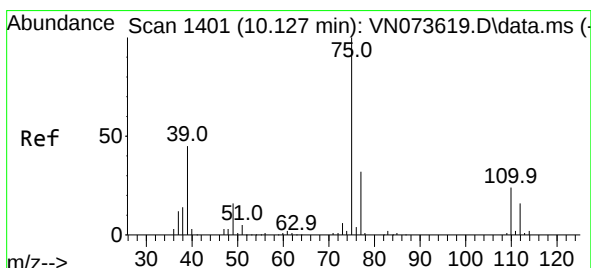
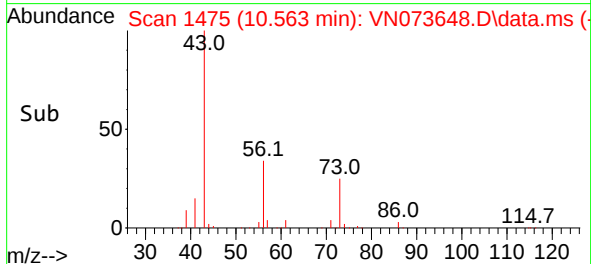
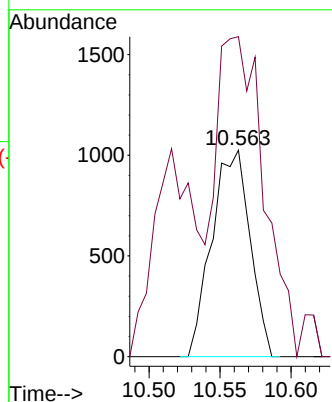
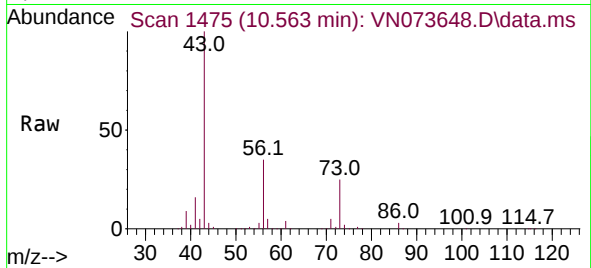




#53
 t-1,3-Dichloropropene
 Concen: 0.340 ug/l
 RT: 10.563 min Scan# 1410
 Delta R.T. -0.100 min
 Lab File: VN073648.D
 Acq: 29 Jul 2022 20:40

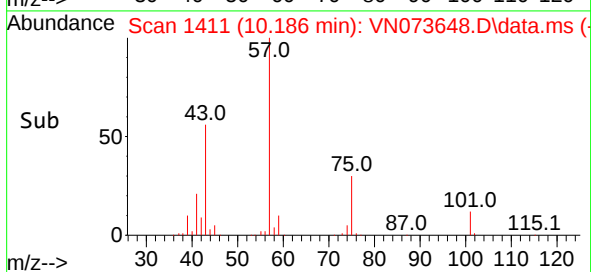
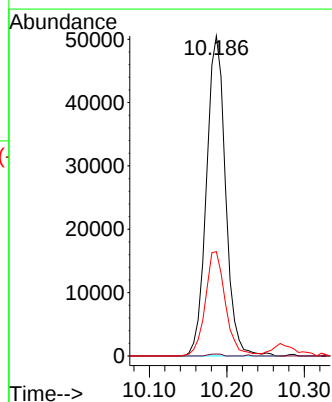
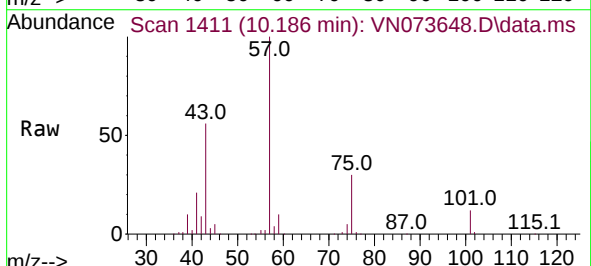
Instrument :
 MSVOA_N
 ClientSampleId :
 PB-07-27-2022

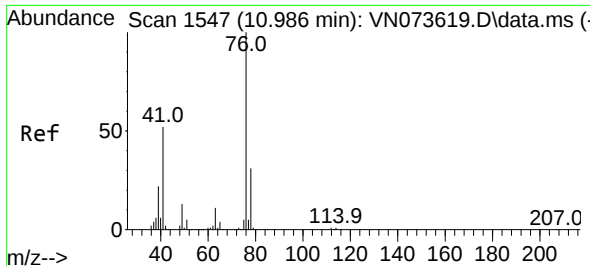
Tgt Ion: 75 Resp: 1916
 Ion Ratio Lower Upper
 75 100
 77 115.0 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 13.574 ug/l
 RT: 10.186 min Scan# 1411
 Delta R.T. 0.059 min
 Lab File: VN073648.D
 Acq: 29 Jul 2022 20:40

Tgt Ion: 75 Resp: 86186
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 32.6 35.7 53.5#

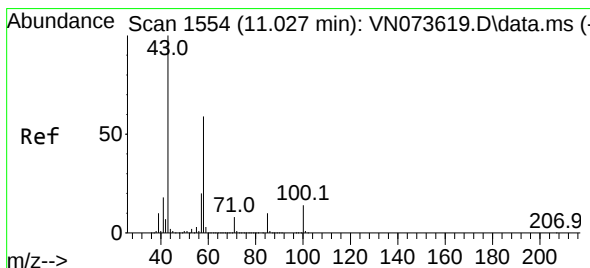
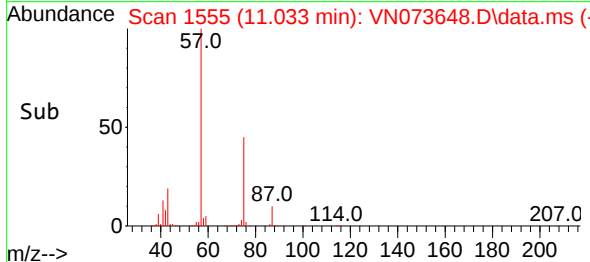
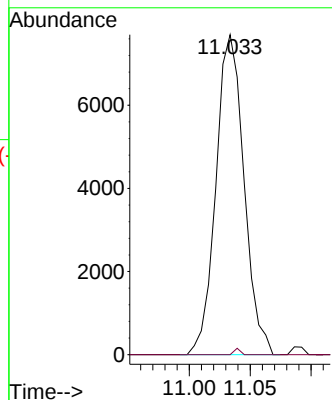
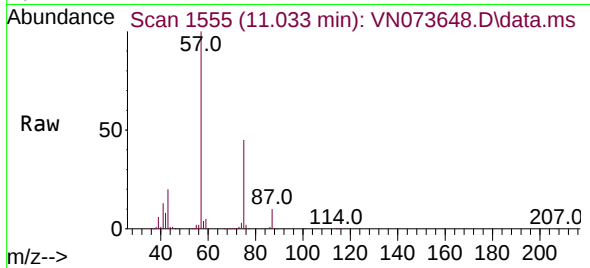




#57
1,3-Dichloropropane
Concen: 1.667 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.047 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

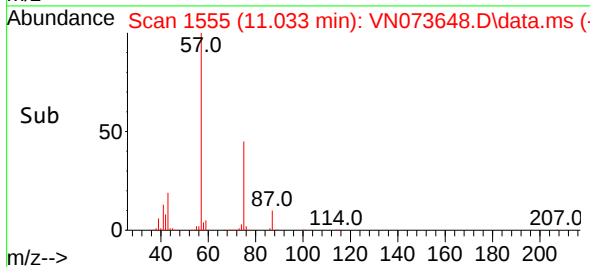
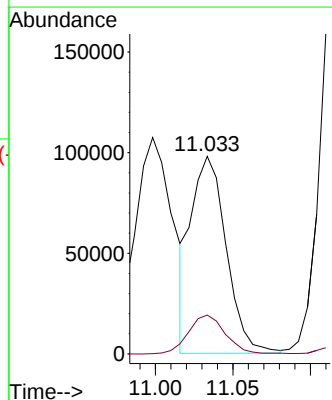
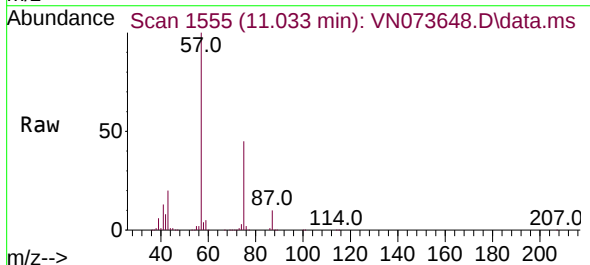
Instrument :
MSVOA_N
ClientSampleId :
PB-07-27-2022

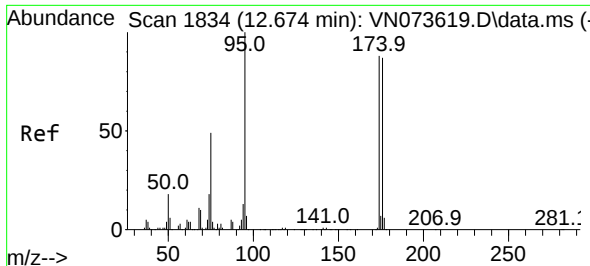
Tgt Ion: 76 Resp: 12343
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#



#59
2-Hexanone
Concen: 30.317 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

Tgt Ion: 43 Resp: 154591
Ion Ratio Lower Upper
43 100
58 20.9 29.7 89.1#

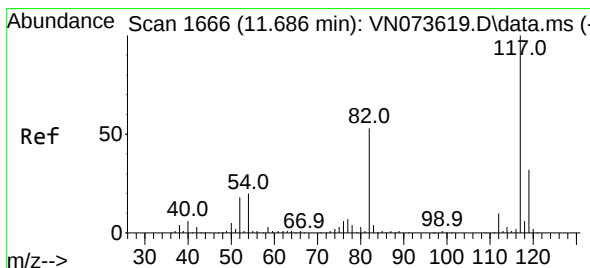
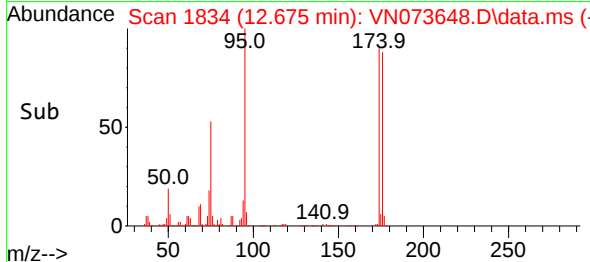
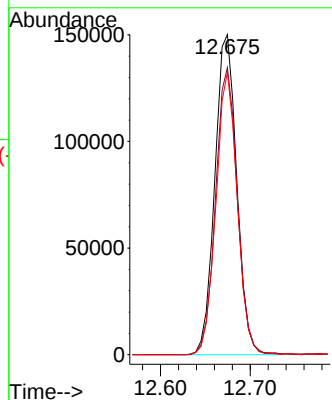
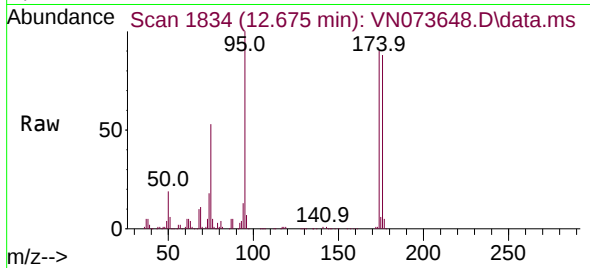




#62
4-Bromofluorobenzene
Concen: 51.952 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

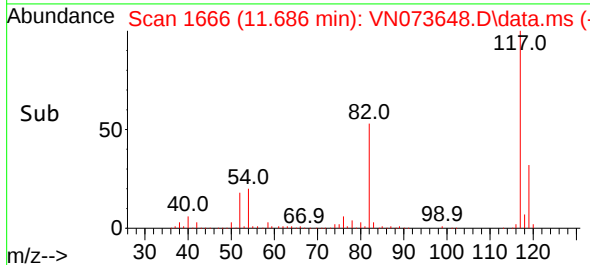
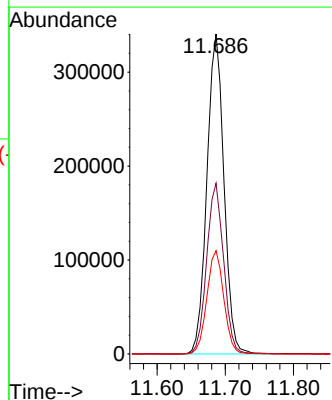
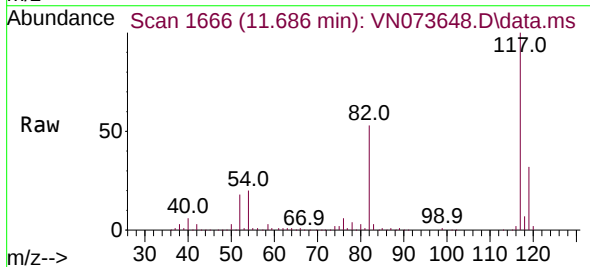
Instrument :
MSVOA_N
ClientSampleId :
PB-07-27-2022

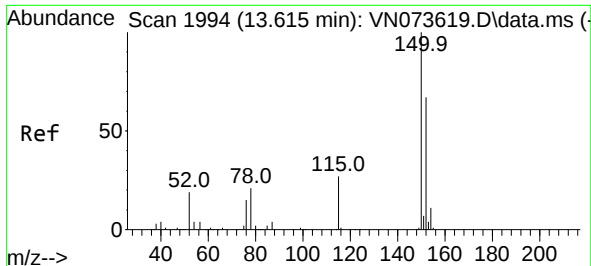
Tgt Ion: 95 Resp: 254721
Ion Ratio Lower Upper
95 100
174 88.7 0.0 167.6
176 85.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073648.D
Acq: 29 Jul 2022 20:40

Tgt Ion: 117 Resp: 592736
Ion Ratio Lower Upper
117 100
82 53.4 44.2 66.2
119 32.3 25.4 38.0

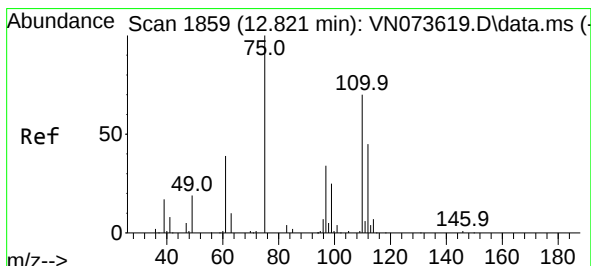
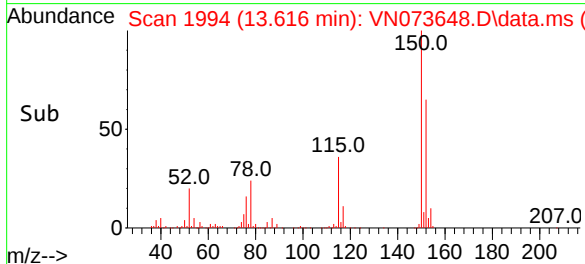
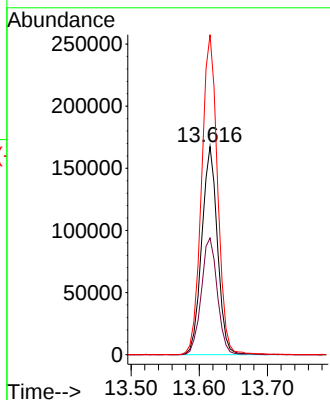
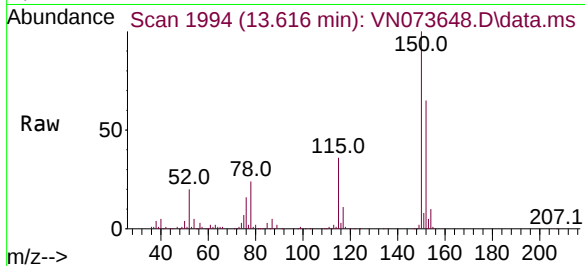




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN073648.D
 Acq: 29 Jul 2022 20:40

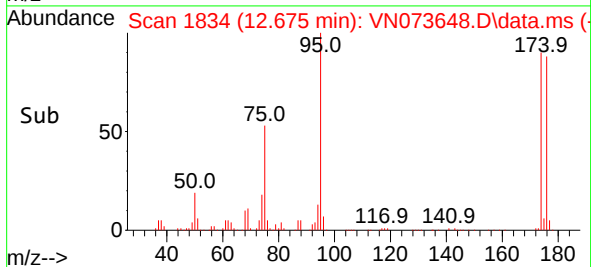
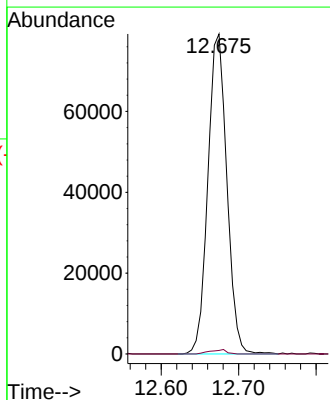
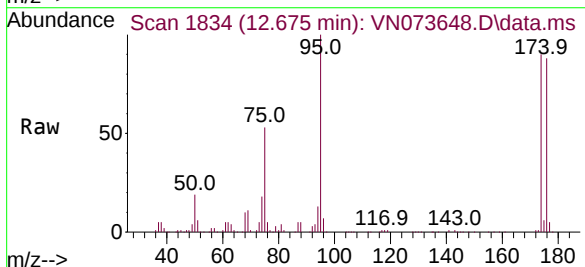
Instrument :
 MSVOA_N
 ClientSampleId :
 PB-07-27-2022

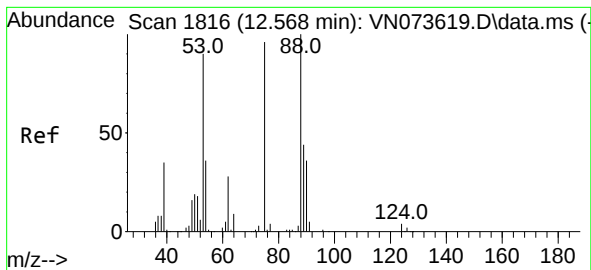
Tgt Ion:152 Resp: 268005
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.9 86.7
 150 156.7 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 25.831 ug/l
 RT: 12.675 min Scan# 1834
 Delta R.T. -0.146 min
 Lab File: VN073648.D
 Acq: 29 Jul 2022 20:40

Tgt Ion: 75 Resp: 134471
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.023 ug/l
 RT: 12.675 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073648.D
 Acq: 29 Jul 2022 20:40

Instrument :
 MSVOA_N
 ClientSampleId :
 PB-07-27-2022

Tgt Ion: 75 Resp: 134471
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

