

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
 Data File : VN073645.D
 Acq On : 29 Jul 2022 19:26
 Operator : JC\MD
 Sample : PB146545ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146545ZHE#06

Quant Time: Aug 01 04:08:59 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)

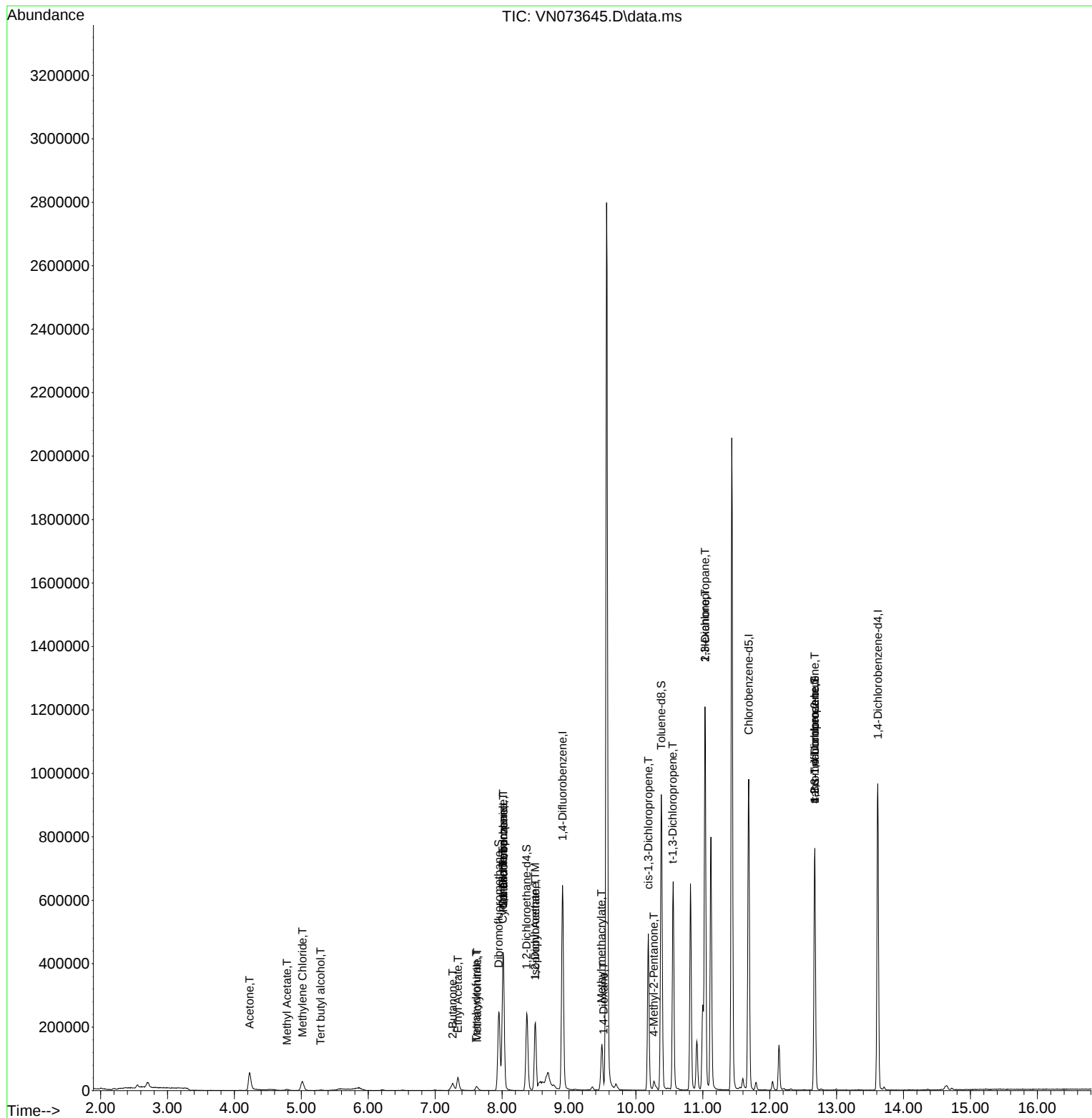
Internal Standards						
1) Pentafluorobenzene	8.022	168	349916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	585480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	588512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	269801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	200477	47.013	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.020%			
35) Dibromofluoromethane	7.951	113	187147	50.904	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.800%			
50) Toluene-d8	10.380	98	651005	44.999	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.000%			
62) 4-Bromofluorobenzene	12.674	95	248323	51.148	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.300%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	676	Below Cal		99
6) Chloroethane	2.963	64	514	Below Cal	#	42
11) Tert butyl alcohol	5.287	59	3171	3.448	ug/l #	72
16) Acetone	4.228	43	101227	44.196	ug/l	97
18) Methyl Acetate	4.787	43	7761	1.362	ug/l #	89
20) Methylene Chloride	5.016	84	23934	4.452	ug/l	99
25) 2-Butanone	7.263	43	28552	8.027	ug/l	94
29) Tetrahydrofuran	7.616	42	9922	4.412	ug/l	96
31) Cyclohexane	8.010	56	6262	0.986	ug/l #	20
36) 1,1-Dichloropropene	8.016	75	26435	5.045	ug/l #	49
37) Ethyl Acetate	7.339	43	61862	8.965	ug/l	99
38) Carbon Tetrachloride	8.016	117	32750	6.154	ug/l #	16
41) Methacrylonitrile	7.628	41	5914	1.894	ug/l #	39
42) 1,2-Dichloroethane	8.492	62	1328	0.232	ug/l #	74
43) Isopropyl Acetate	8.498	43	236711	25.396	ug/l #	92
48) Methyl methacrylate	9.486	41	9099	2.230	ug/l #	39
49) 1,4-Dioxane	9.516	88	300	2.609	ug/l #	25
51) 4-Methyl-2-Pentanone	10.269	43	25604	3.830	ug/l #	79
53) t-1,3-Dichloropropene	10.551	75	1726	0.308	ug/l #	25
54) cis-1,3-Dichloropropene	10.186	75	89648	14.214	ug/l #	65
57) 1,3-Dichloropropane	11.033	76	12977	1.765	ug/l #	42
59) 2-Hexanone	11.033	43	163013	32.185	ug/l #	50
76) 1,2,3-Trichloropropane	12.674	75	127524	24.134	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	127524	61.253	ug/l #	11

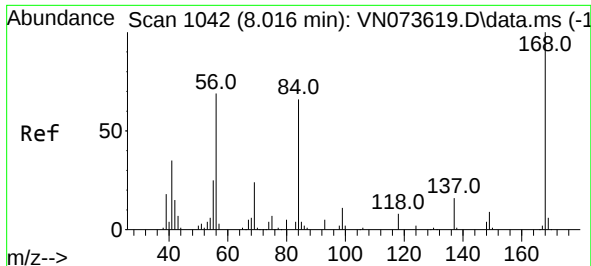
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
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Sample : PB146545ZHE#06
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#06

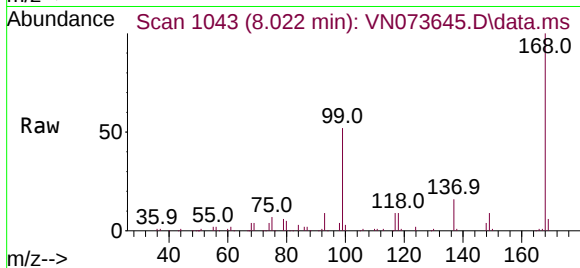
Quant Time: Aug 01 04:08:59 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 29 02:20:25 2022
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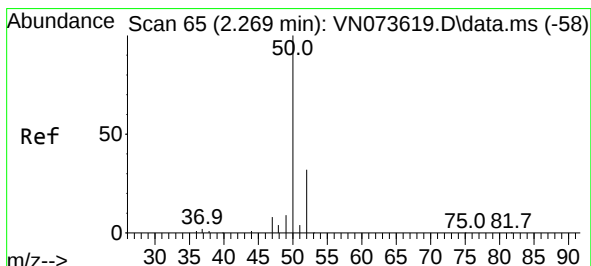
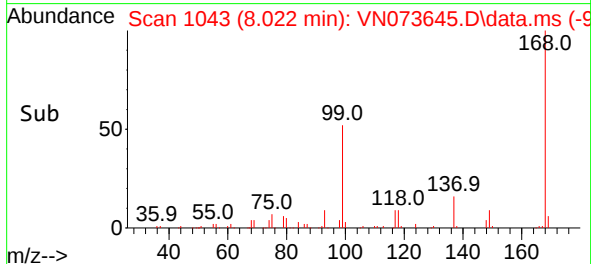
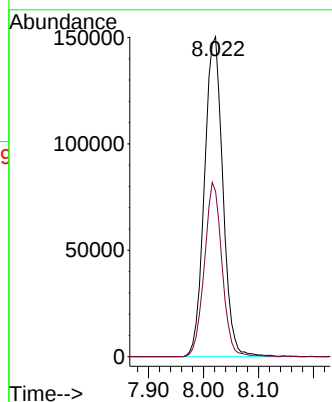


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#06

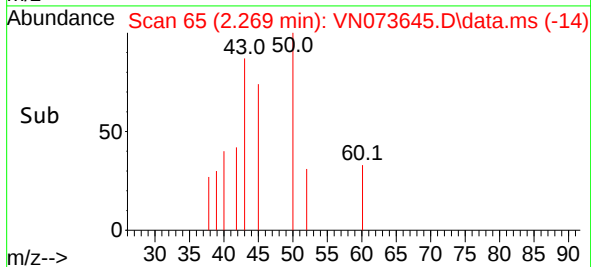
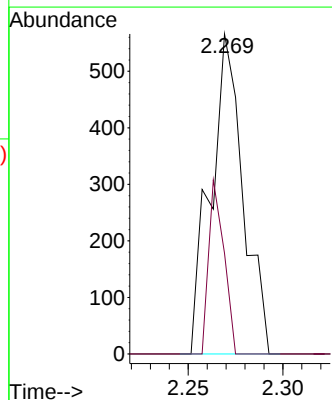
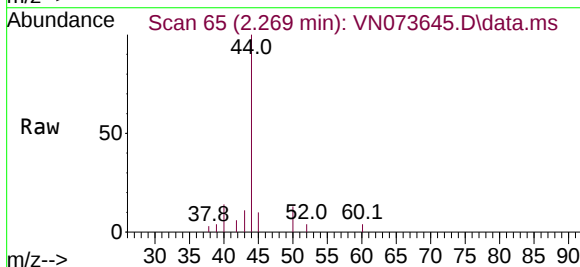


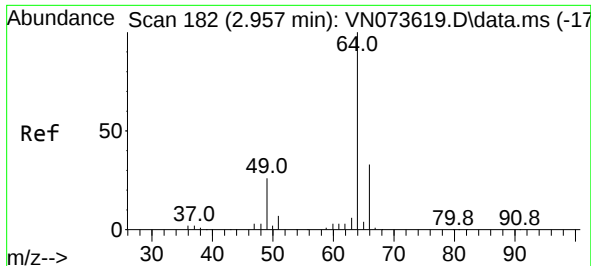
Tgt Ion:168 Resp: 349916
Ion Ratio Lower Upper
168 100
99 51.7 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

Tgt Ion: 50 Resp: 676
Ion Ratio Lower Upper
50 100
52 31.4 25.7 38.5

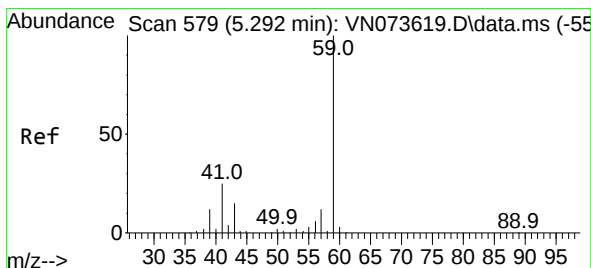
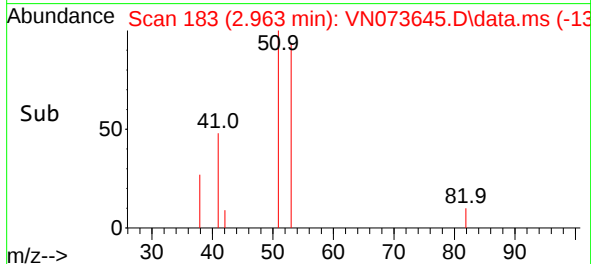
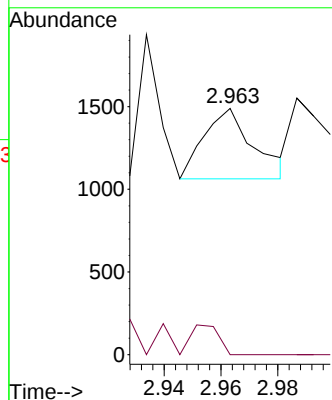
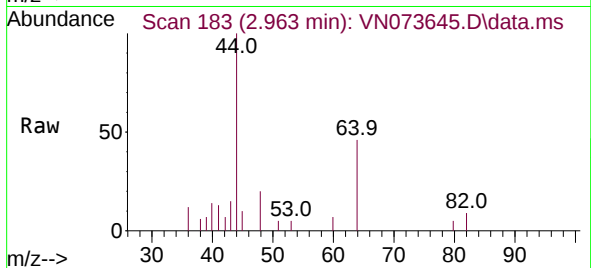




#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

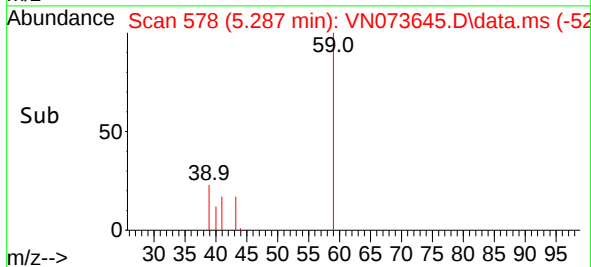
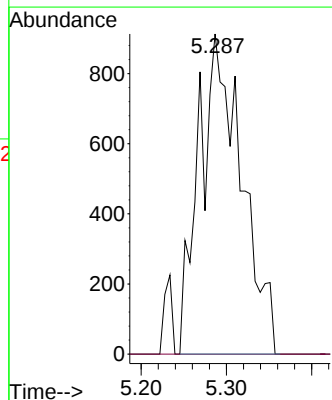
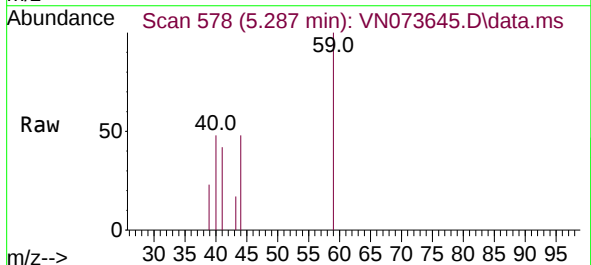
Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#06

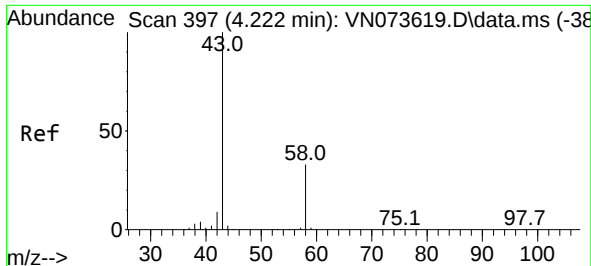
Tgt Ion: 64 Resp: 514
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 3.448 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

Tgt Ion: 59 Resp: 3171
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

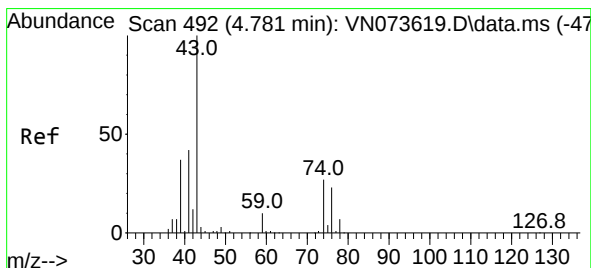
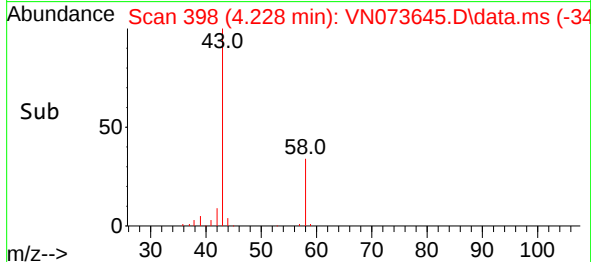
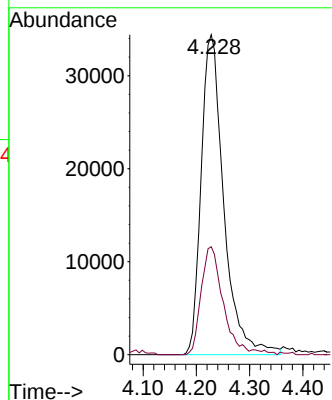
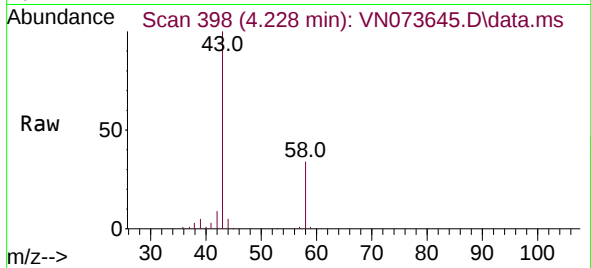




#16
Acetone
Concen: 44.196 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

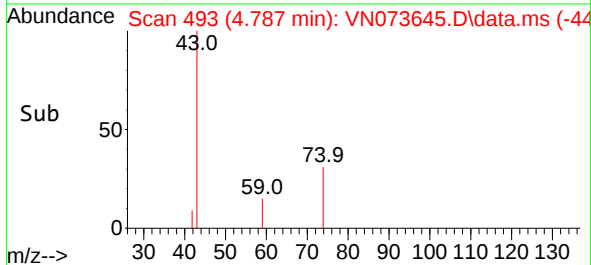
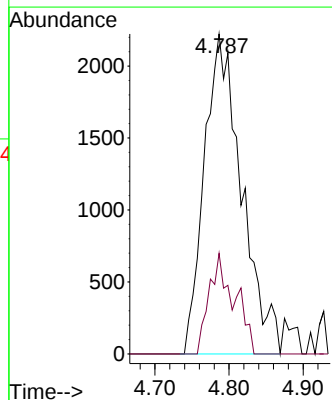
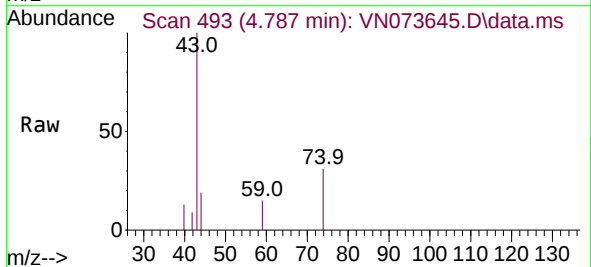
Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#06

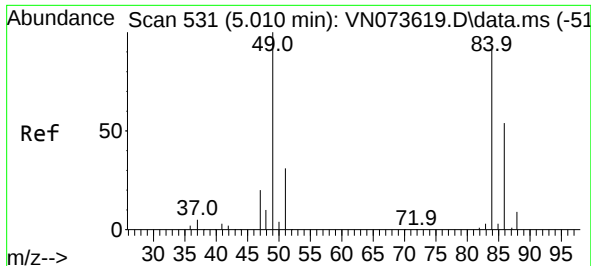
Tgt Ion: 43 Resp: 101227
Ion Ratio Lower Upper
43 100
58 34.4 26.0 39.0



#18
Methyl Acetate
Concen: 1.362 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

Tgt Ion: 43 Resp: 7761
Ion Ratio Lower Upper
43 100
74 21.4 21.6 32.4#

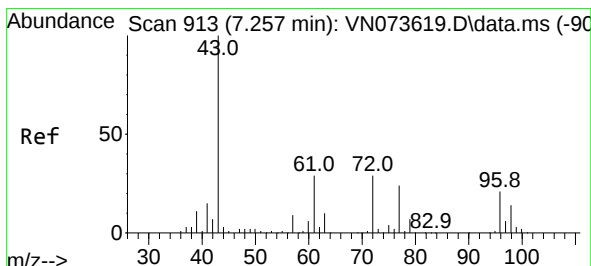
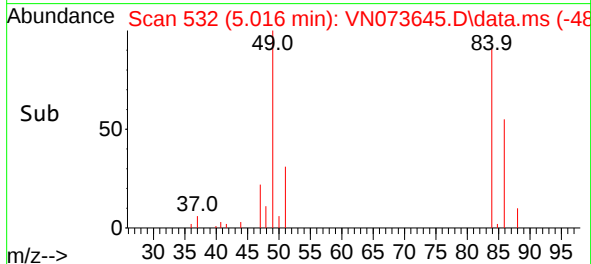
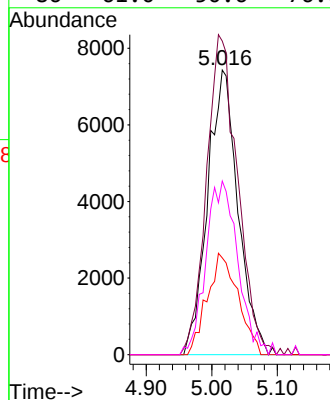
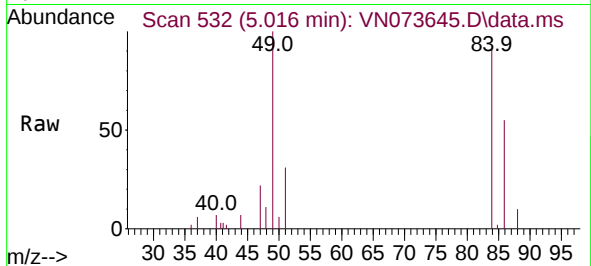




#20
Methylene Chloride
Concen: 4.452 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

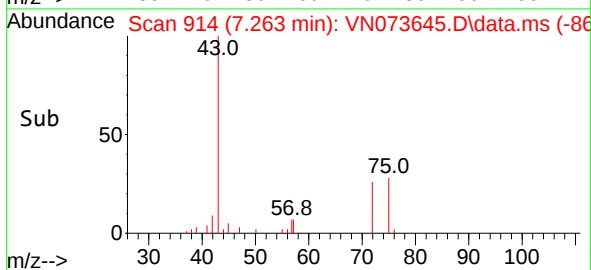
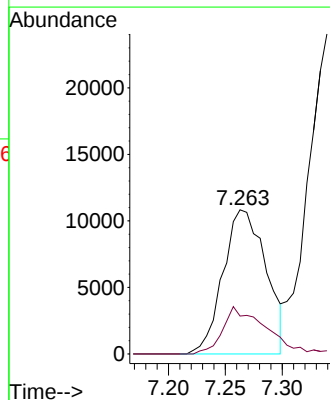
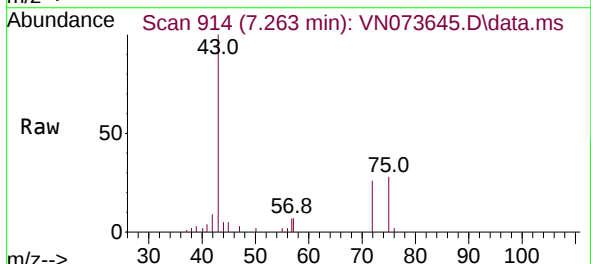
Instrument :
MSVOA_N
ClientSampleId :
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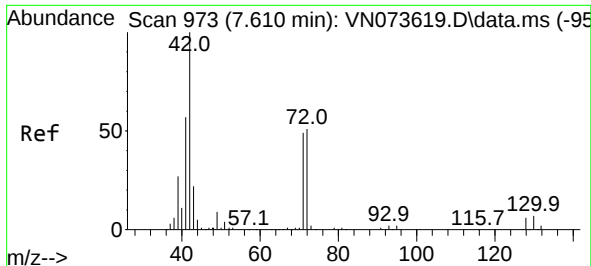
Tgt Ion: 84	Resp: 23934		
Ion	Ratio	Lower	Upper
84	100		
49	110.2	88.3	132.5
51	34.0	28.2	42.2
86	61.0	50.6	76.0



#25
2-Butanone
Concen: 8.027 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

Tgt Ion: 43	Resp: 28552
Ion Ratio	Lower Upper
43 100	
72 26.3	23.7 35.5

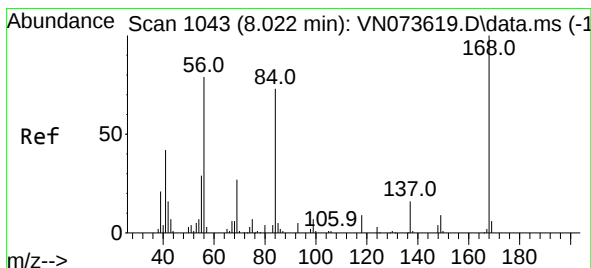
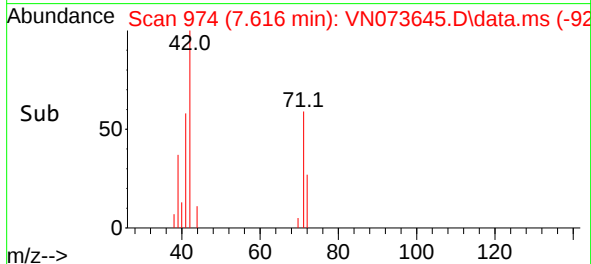
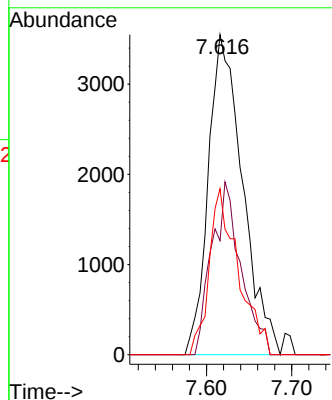
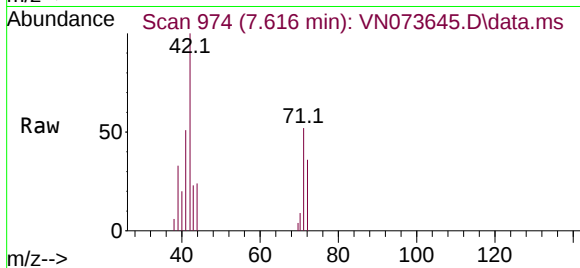




#29
Tetrahydrofuran
Concen: 4.412 ug/l
RT: 7.616 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

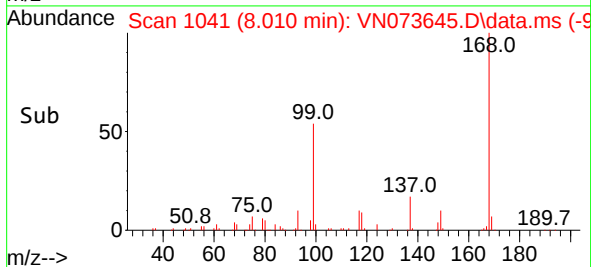
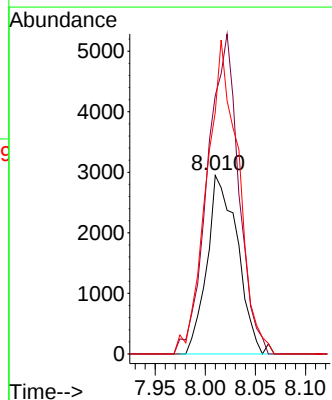
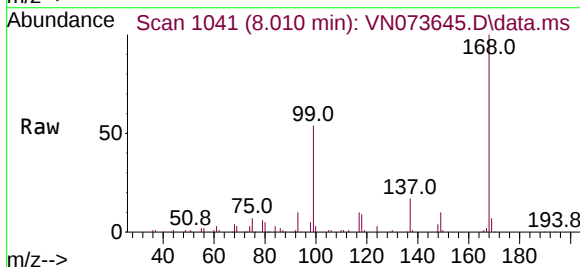
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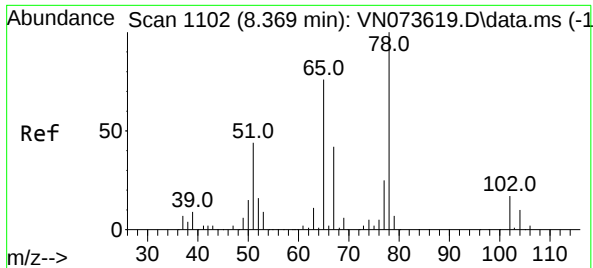
Tgt Ion: 42 Resp: 9922
Ion Ratio Lower Upper
42 100
72 45.9 39.7 59.5
71 44.0 36.6 55.0



#31
Cyclohexane
Concen: 0.986 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

Tgt Ion: 56 Resp: 6262
Ion Ratio Lower Upper
56 100
69 144.7 27.8 41.8#
84 135.2 76.9 115.3#

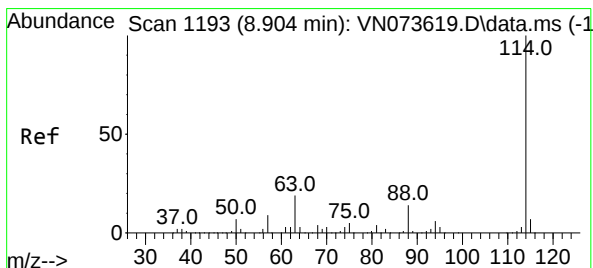
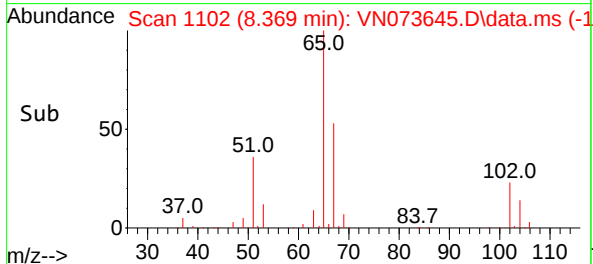
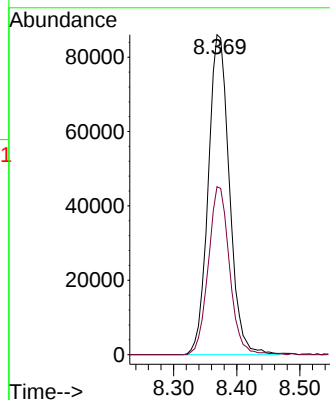
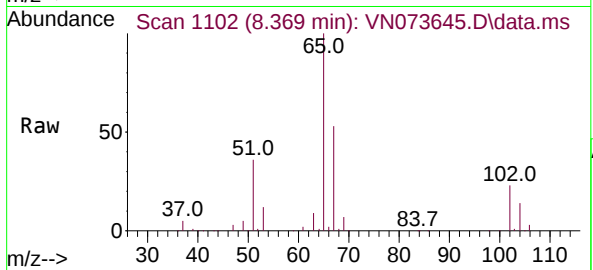




#33
 1,2-Dichloroethane-d4
 Concen: 47.013 ug/l
 RT: 8.369 min Scan# 1102
 Delta R.T. -0.000 min
 Lab File: VN073645.D
 Acq: 29 Jul 2022 19:26

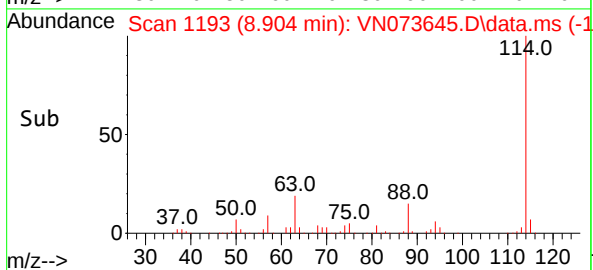
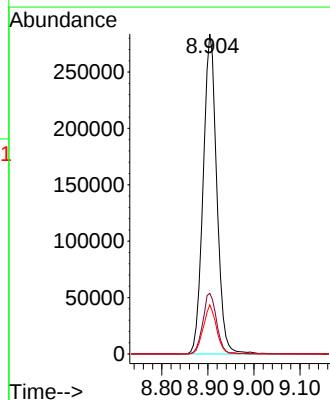
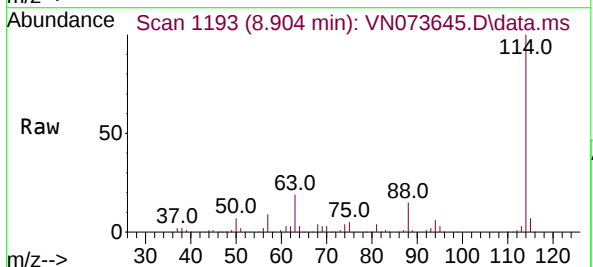
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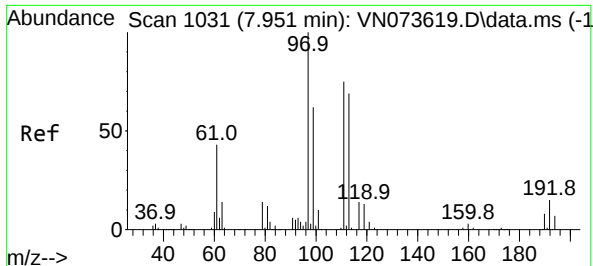
Tgt Ion: 65 Resp: 200477
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. -0.000 min
 Lab File: VN073645.D
 Acq: 29 Jul 2022 19:26

Tgt Ion: 114 Resp: 585480
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.0
 88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.904 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN073645.D

Acq: 29 Jul 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

PB146545ZHE#06

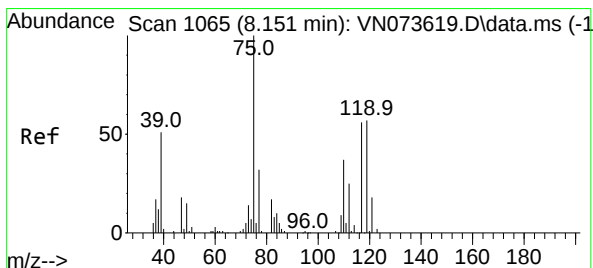
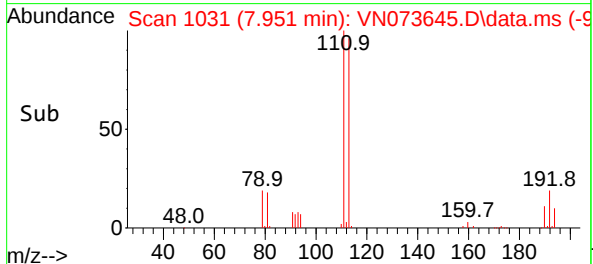
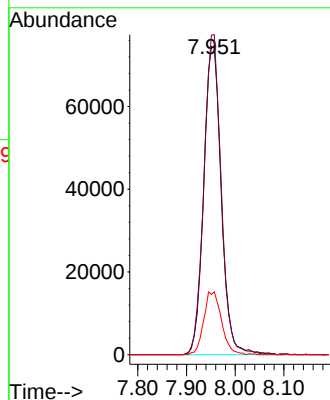
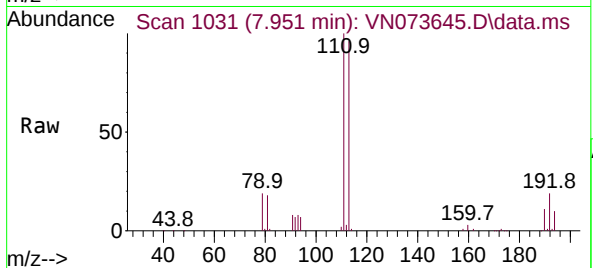
Tgt Ion:113 Resp: 187147

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 20.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.045 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073645.D

Acq: 29 Jul 2022 19:26

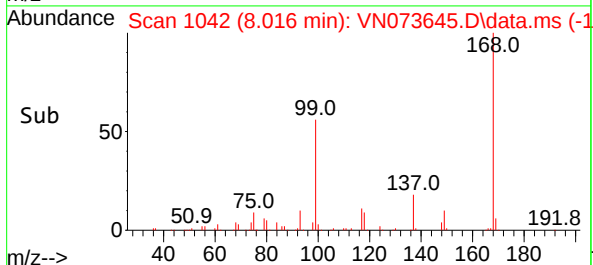
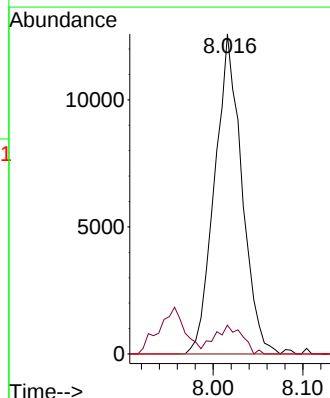
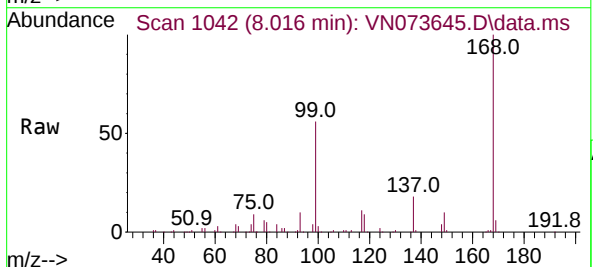
Tgt Ion: 75 Resp: 26435

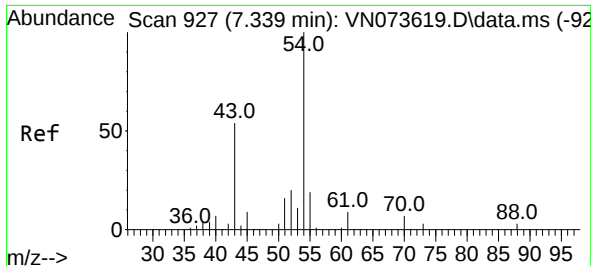
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 8.965 ug/l

RT: 7.339 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN073645.D

Acq: 29 Jul 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

PB146545ZHE#06

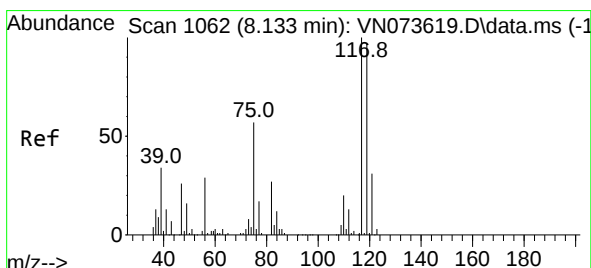
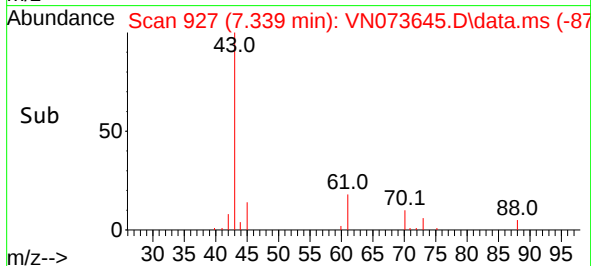
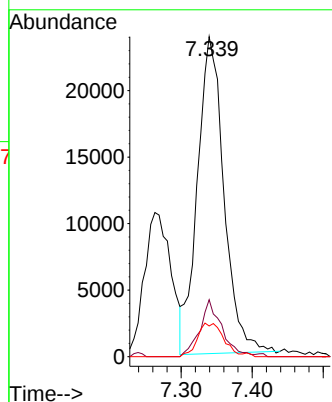
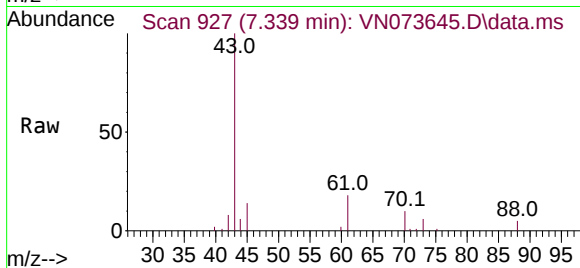
Tgt Ion: 43 Resp: 61862

Ion Ratio Lower Upper

43 100

61 14.9 11.8 17.6

70 10.7 9.3 13.9



#38

Carbon Tetrachloride

Concen: 6.154 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073645.D

Acq: 29 Jul 2022 19:26

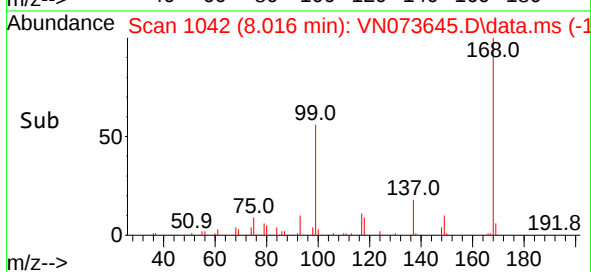
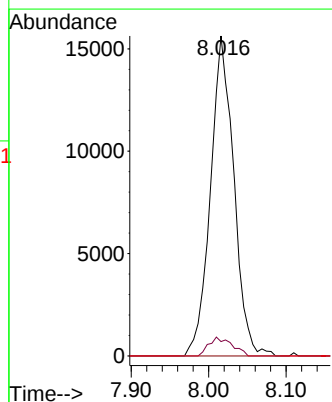
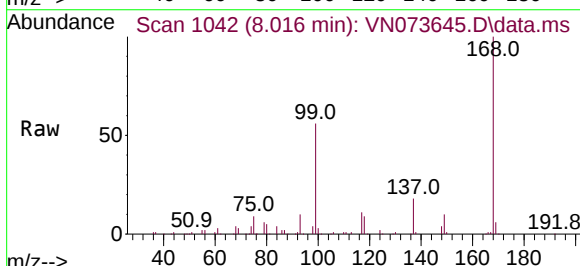
Tgt Ion: 117 Resp: 32750

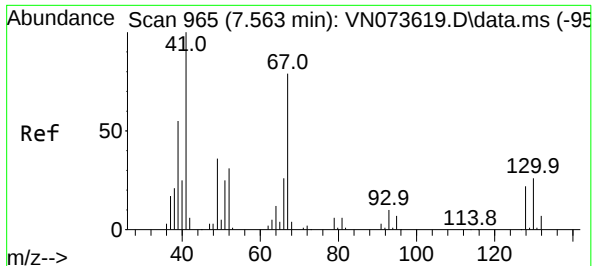
Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.8#

121 0.0 24.6 37.0#

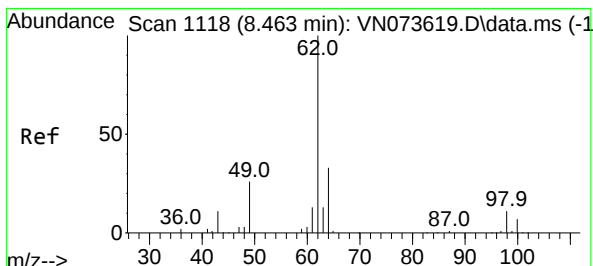
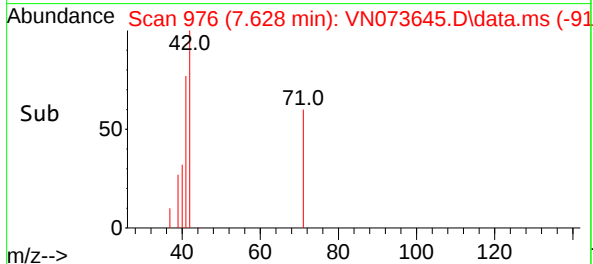
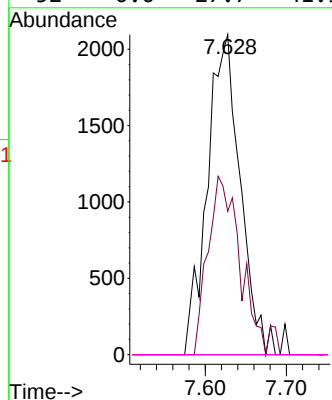
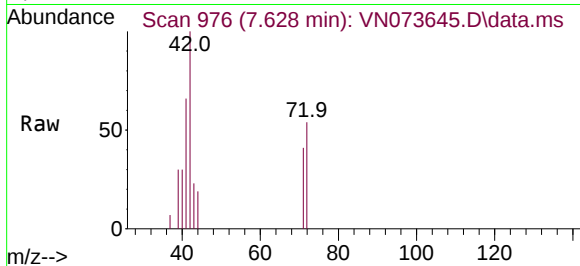




#41
Methacrylonitrile
Concen: 1.894 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

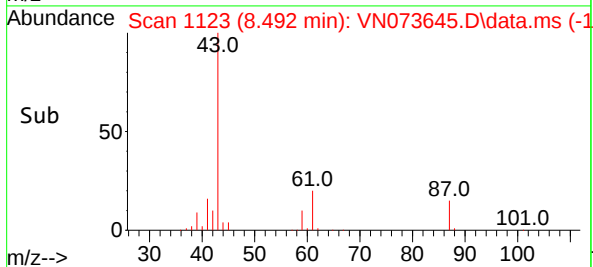
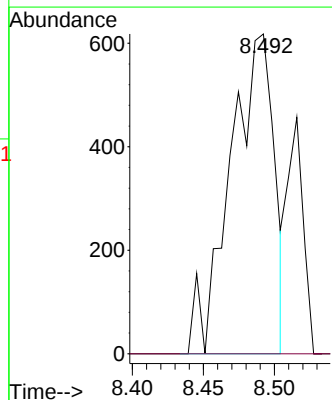
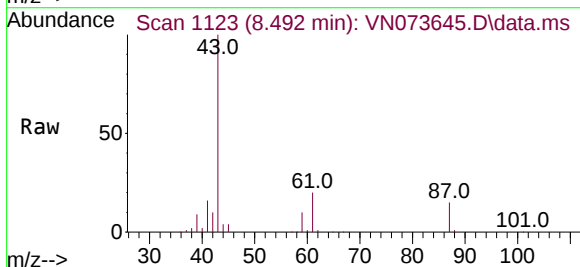
Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#06

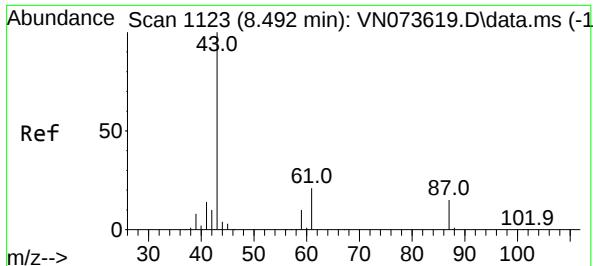
Tgt Ion: 41 Resp: 5914
Ion Ratio Lower Upper
41 100
39 54.0 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#42
1,2-Dichloroethane
Concen: 0.232 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.029 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

Tgt Ion: 62 Resp: 1328
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 25.396 ug/l

RT: 8.498 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN073645.D

Acq: 29 Jul 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

PB146545ZHE#06

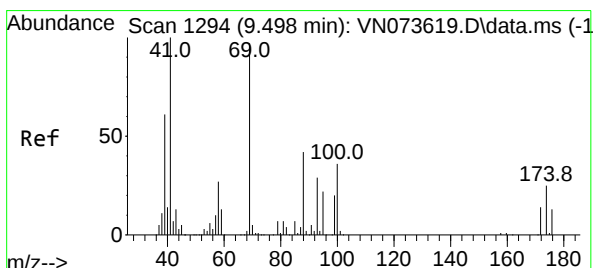
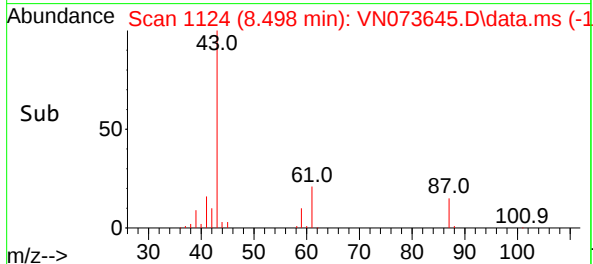
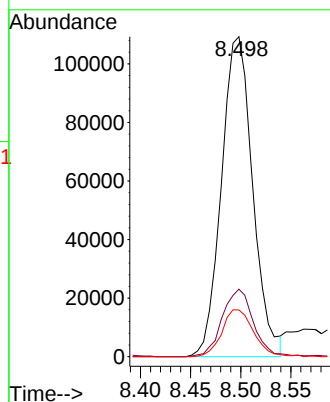
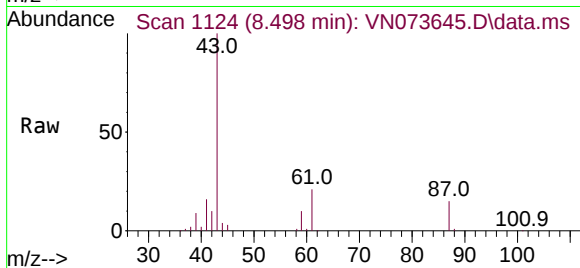
Tgt Ion: 43 Resp: 236711

Ion Ratio Lower Upper

43 100

61 21.1 21.9 32.9#

87 15.0 12.0 18.0



#48

Methyl methacrylate

Concen: 2.230 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VN073645.D

Acq: 29 Jul 2022 19:26

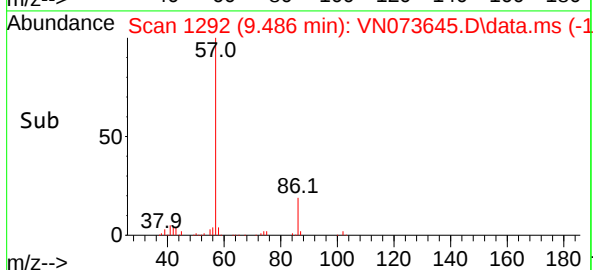
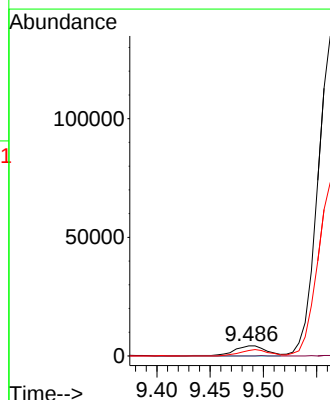
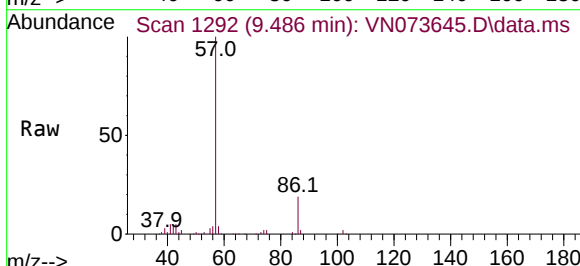
Tgt Ion: 41 Resp: 9099

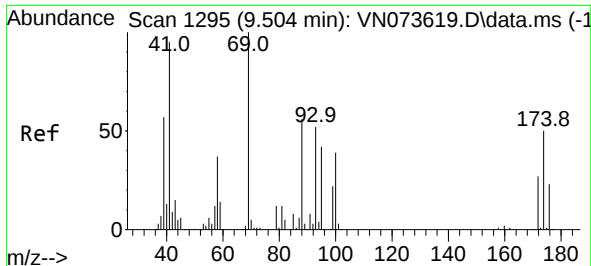
Ion Ratio Lower Upper

41 100

69 0.6 74.7 112.1#

39 55.2 45.6 68.4

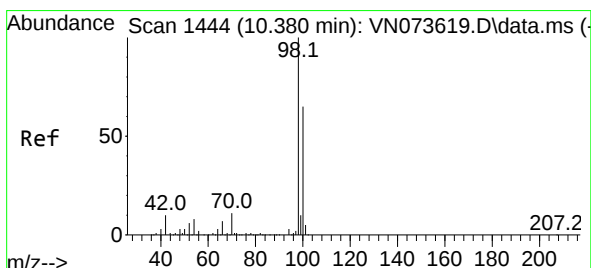
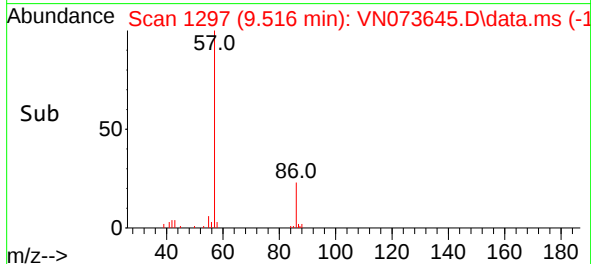
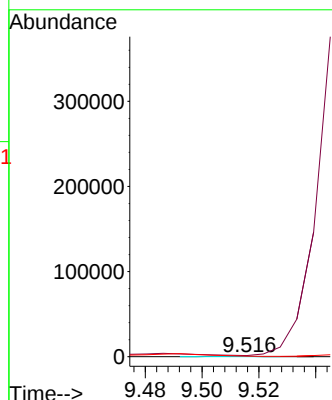
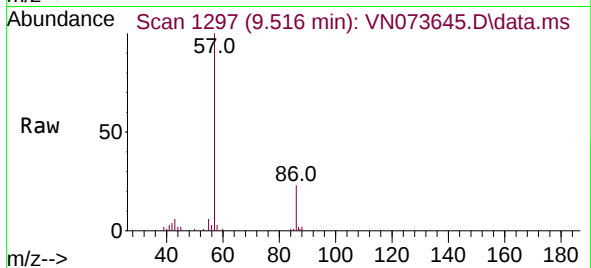




#49
1,4-Dioxane
Concen: 2.609 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

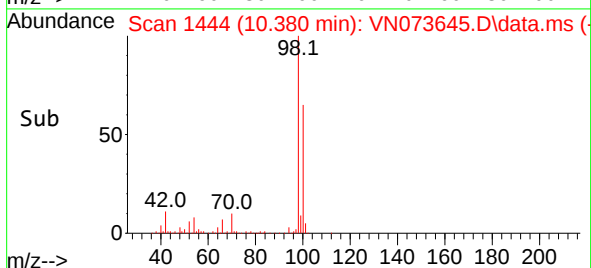
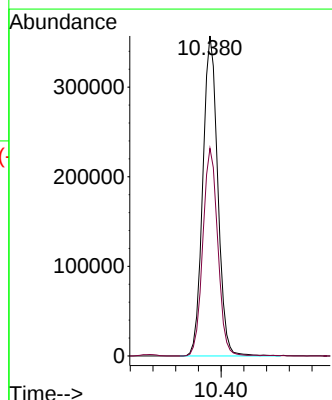
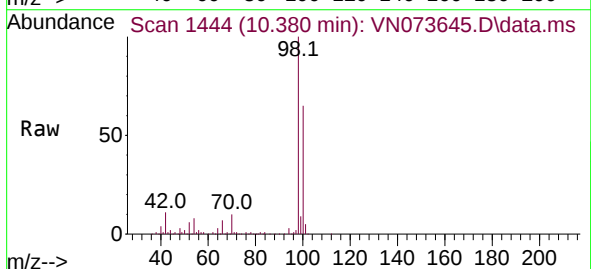
Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#06

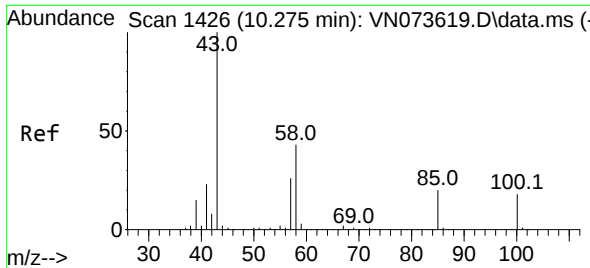
Tgt Ion: 88 Resp: 300
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 44.999 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

Tgt Ion: 98 Resp: 651005
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

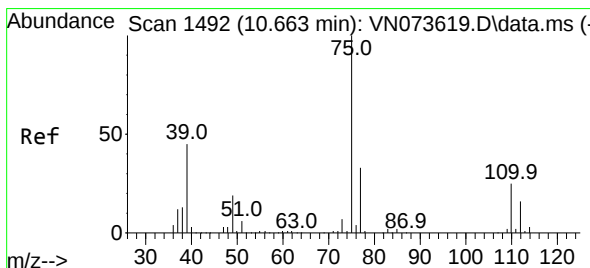
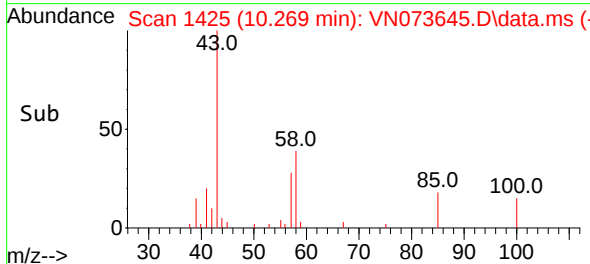
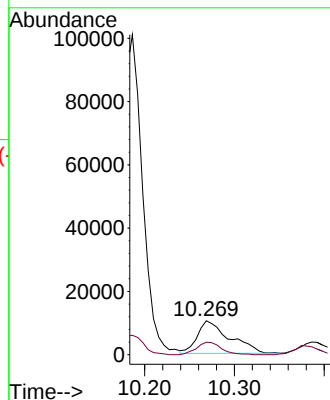
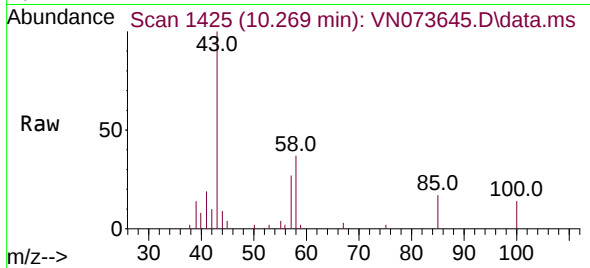




#51
4-Methyl-2-Pentanone
Concen: 3.830 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

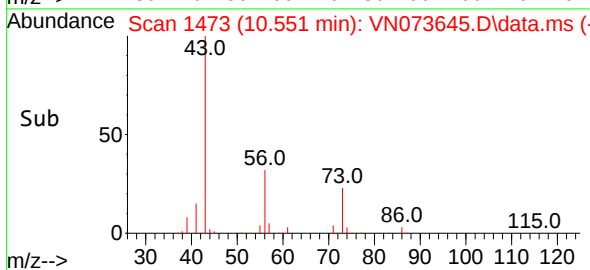
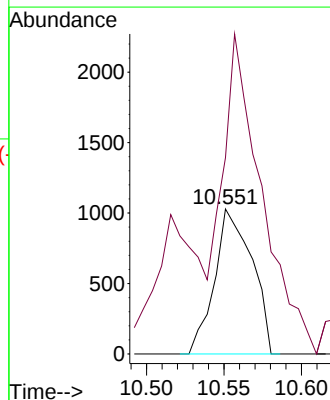
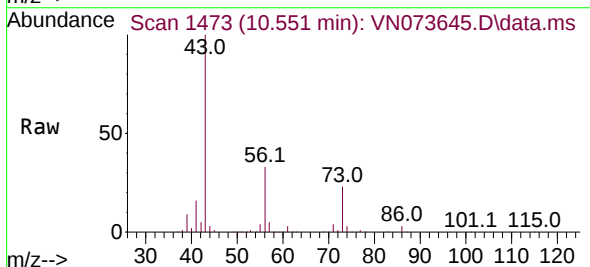
Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#06

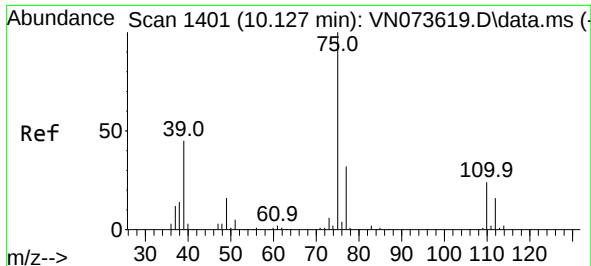
Tgt Ion: 43 Resp: 25604
Ion Ratio Lower Upper
43 100
58 29.4 34.1 51.1#



#53
t-1,3-Dichloropropene
Concen: 0.308 ug/l
RT: 10.551 min Scan# 1473
Delta R.T. -0.112 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

Tgt Ion: 75 Resp: 1726
Ion Ratio Lower Upper
75 100
77 73.8 25.6 38.4#

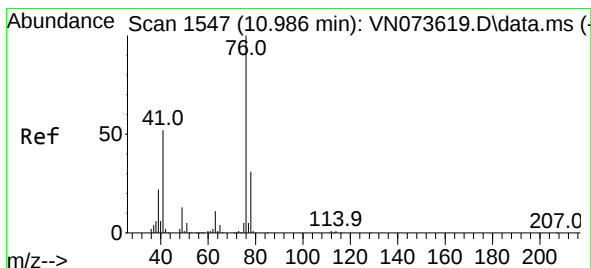
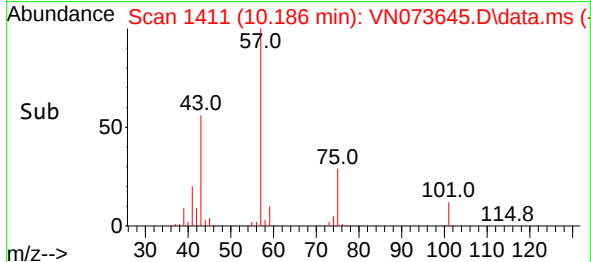
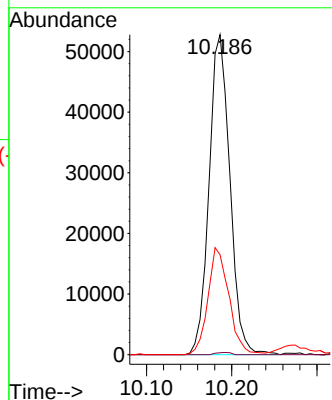
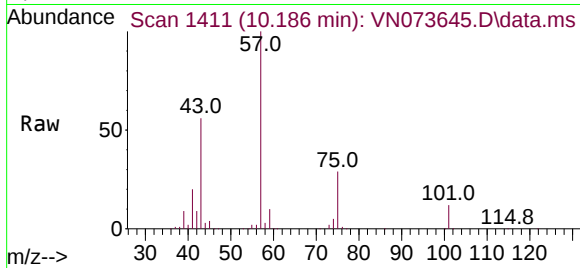




#54
cis-1,3-Dichloropropene
Concen: 14.214 ug/l
RT: 10.186 min Scan# 14
Delta R.T. 0.059 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

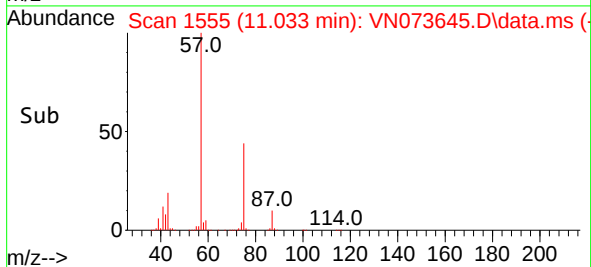
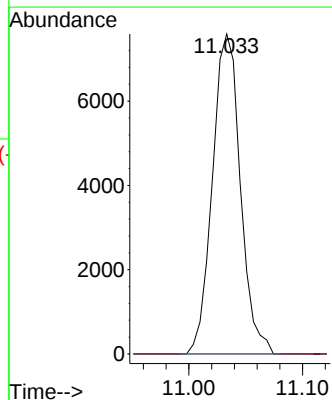
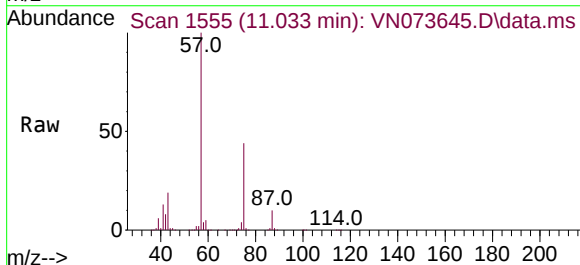
Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#06

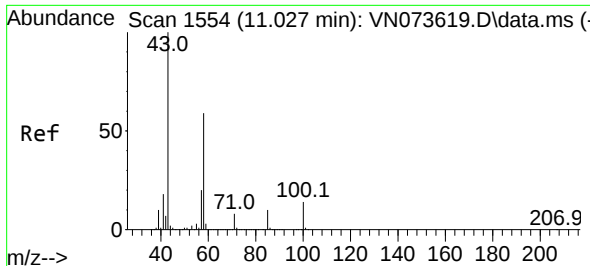
Tgt Ion: 75 Resp: 89648
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 31.2 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 1.765 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.047 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

Tgt Ion: 76 Resp: 12977
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

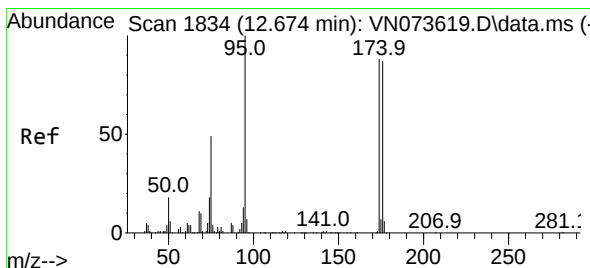
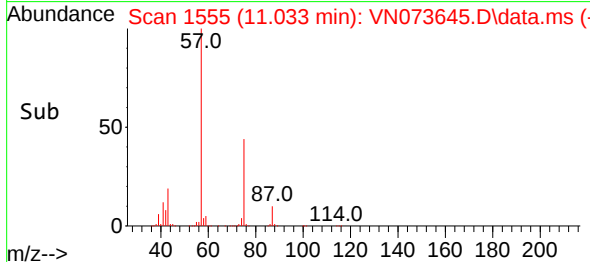
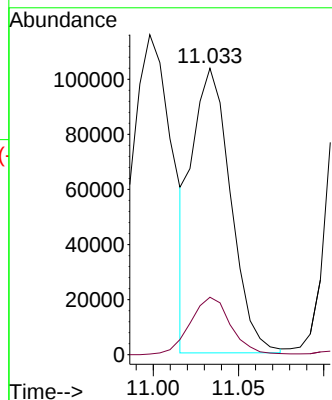
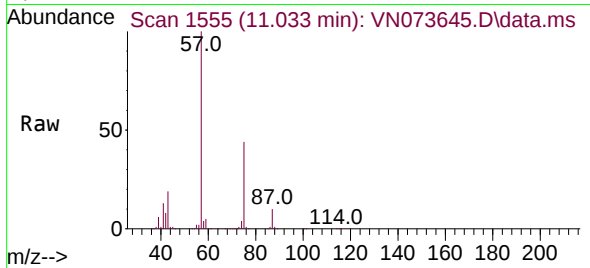




#59
2-Hexanone
Concen: 32.185 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

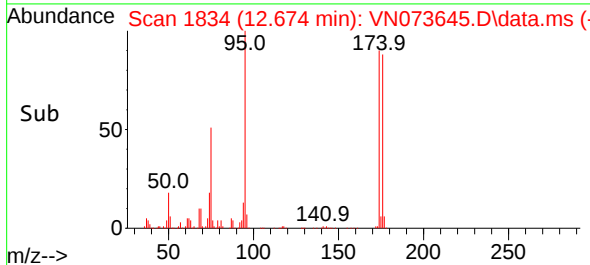
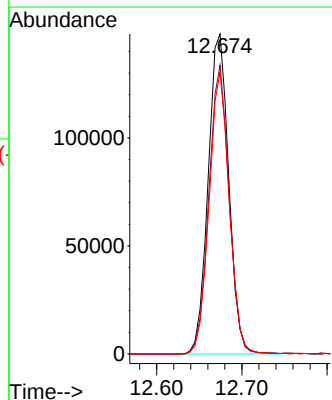
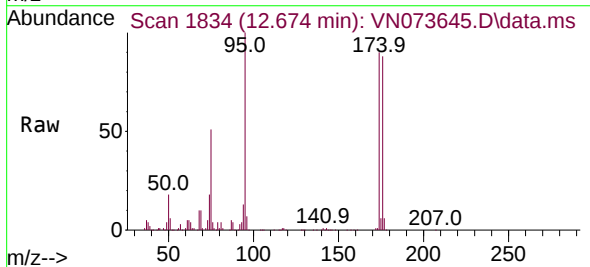
Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#06

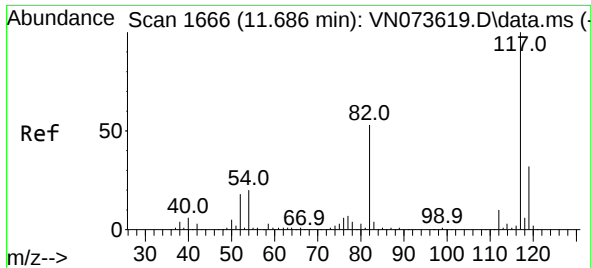
Tgt Ion: 43 Resp: 163013
Ion Ratio Lower Upper
43 100
58 21.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 51.148 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

Tgt Ion: 95 Resp: 248323
Ion Ratio Lower Upper
95 100
174 89.1 0.0 167.6
176 85.9 0.0 163.4

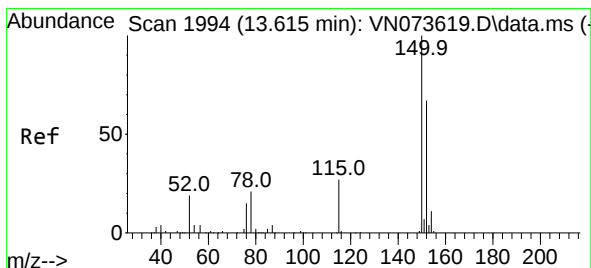
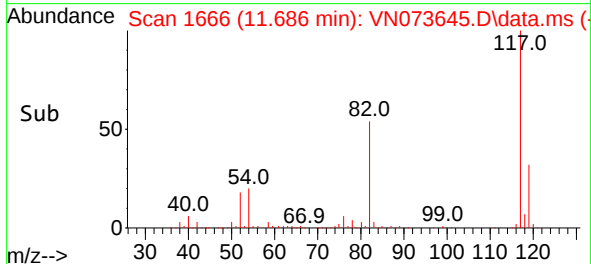
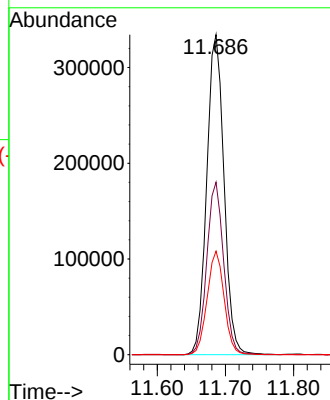
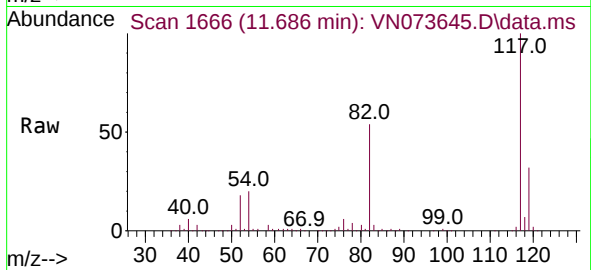




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

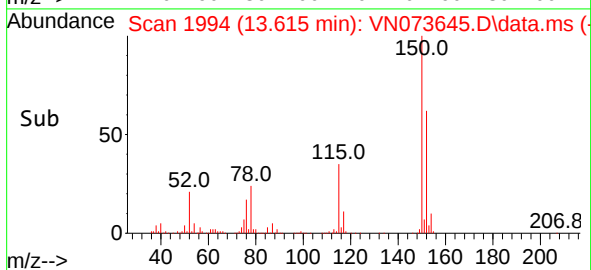
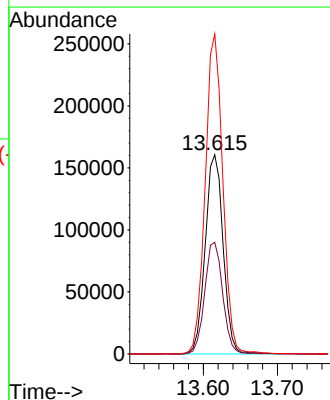
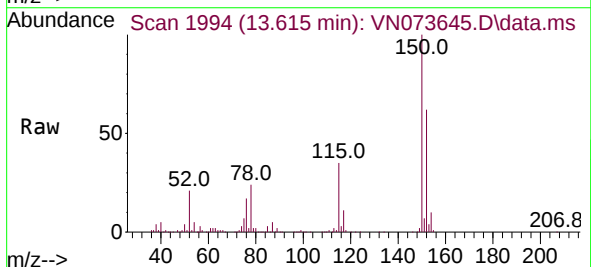
Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#06

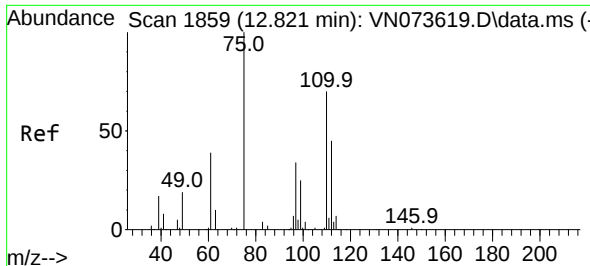
Tgt Ion:117 Resp: 588512
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

Tgt Ion:152 Resp: 269801
Ion Ratio Lower Upper
152 100
115 56.4 28.9 86.7
150 157.9 0.0 356.2

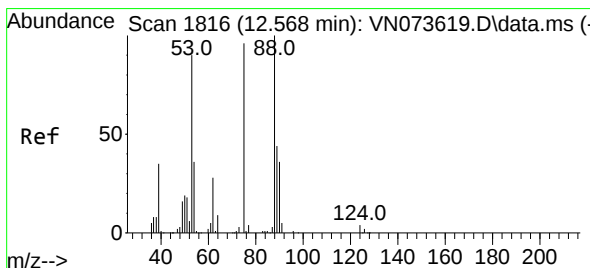
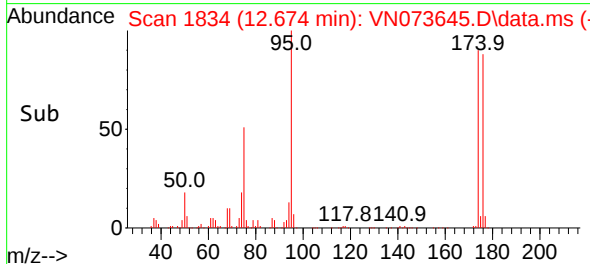
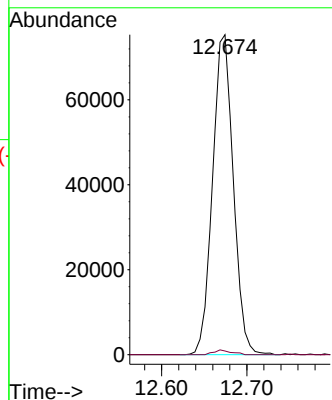
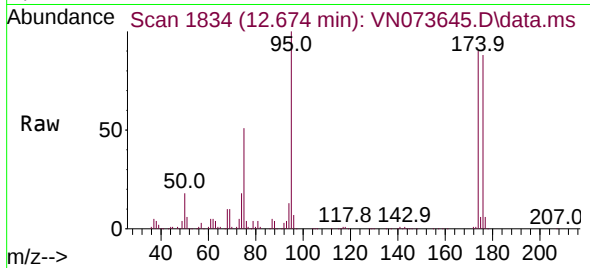




#76
1,2,3-Trichloropropane
Concen: 24.134 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#06

Tgt Ion: 75 Resp: 127524
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.253 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073645.D
Acq: 29 Jul 2022 19:26

Tgt Ion: 75 Resp: 127524
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#

