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 Data File : VN073644.D
 Acq On : 29 Jul 2022 19:02
 Operator : JC\MD
 Sample : PB146545ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

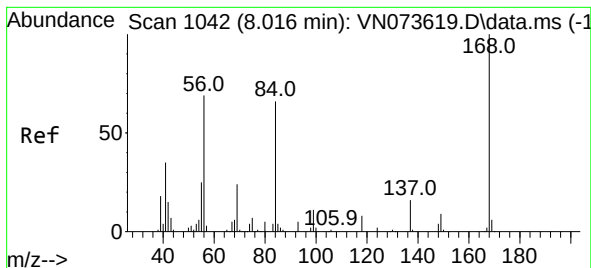
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146545ZHE#05

Quant Time: Aug 01 04:08:33 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	346649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	579687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	577282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	269032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	201044	47.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.180%		
35) Dibromofluoromethane	7.957	113	185973	51.091	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.180%		
50) Toluene-d8	10.380	98	657243	45.884	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.760%		
62) 4-Bromofluorobenzene	12.674	95	247867	51.495	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.000%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	797	Below Cal	#	43
5) Bromomethane	2.834	94	813	0.238	ug/l #	58
6) Chloroethane	2.934	64	290	Below Cal	#	42
11) Tert butyl alcohol	5.287	59	3390	3.721	ug/l #	83
14) Allyl chloride	4.745	41	1722	0.327	ug/l #	24
16) Acetone	4.228	43	100537	44.309	ug/l	99
18) Methyl Acetate	4.792	43	7128	1.263	ug/l	97
20) Methylene Chloride	5.016	84	24240	4.603	ug/l #	93
25) 2-Butanone	7.269	43	29493	8.370	ug/l	91
26) 2,2-Dichloropropane	7.228	77	1162	0.216	ug/l #	53
29) Tetrahydrofuran	7.616	42	9609	4.313	ug/l	95
31) Cyclohexane	8.016	56	6792	1.080	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	25695	4.953	ug/l #	49
37) Ethyl Acetate	7.339	43	57355	8.395	ug/l	97
38) Carbon Tetrachloride	8.016	117	32996	6.262	ug/l #	16
41) Methacrylonitrile	7.628	41	5821	1.883	ug/l #	41
42) 1,2-Dichloroethane	8.492	62	1611	0.284	ug/l #	74
43) Isopropyl Acetate	8.498	43	237008	25.682	ug/l #	92
48) Methyl methacrylate	9.492	41	8840	2.188	ug/l #	39
49) 1,4-Dioxane	9.498	88	73	0.641	ug/l #	1
51) 4-Methyl-2-Pentanone	10.274	43	24823	3.750	ug/l #	80
53) t-1,3-Dichloropropene	10.557	75	1785	0.322	ug/l #	1
54) cis-1,3-Dichloropropene	10.186	75	88859	14.230	ug/l #	64
57) 1,3-Dichloropropane	11.033	76	12831	1.762	ug/l #	42
59) 2-Hexanone	11.033	43	165590	33.020	ug/l #	49
74) N-amyl acetate	12.321	43	1998	0.269	ug/l #	44
76) 1,2,3-Trichloropropane	12.674	75	126682	24.030	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	126682	61.023	ug/l #	10

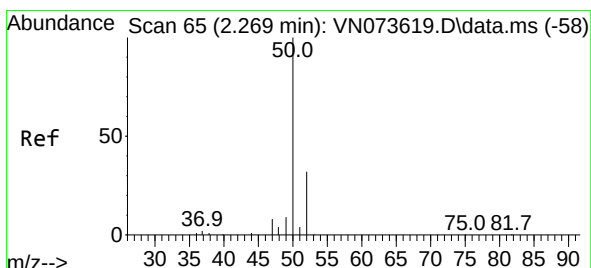
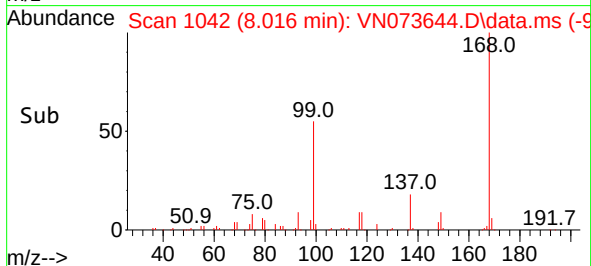
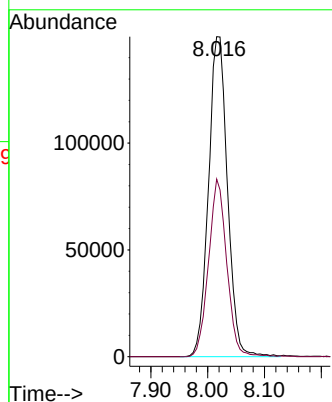
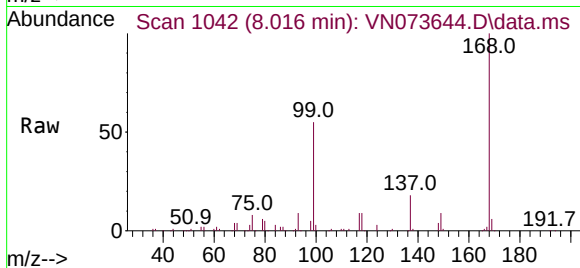
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

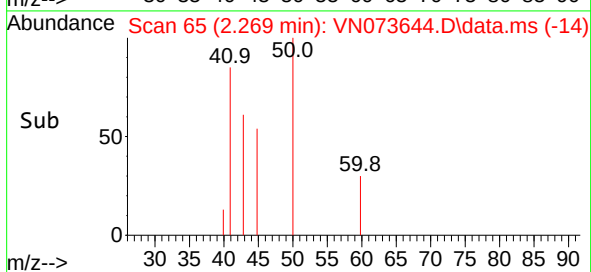
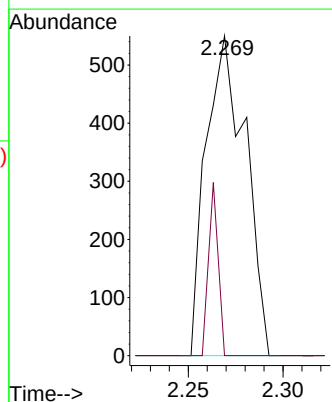
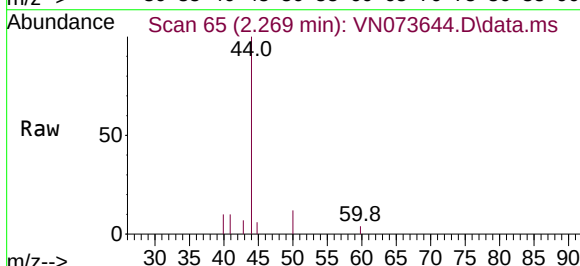
Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#05

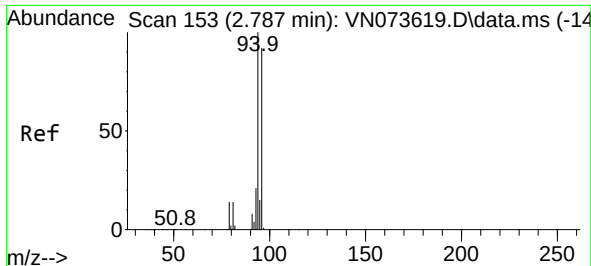
Tgt Ion:168 Resp: 346649
Ion Ratio Lower Upper
168 100
99 55.5 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

Tgt Ion: 50 Resp: 797
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

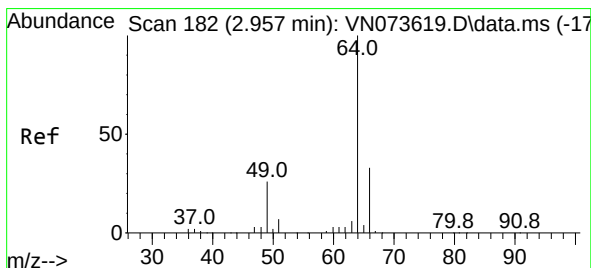
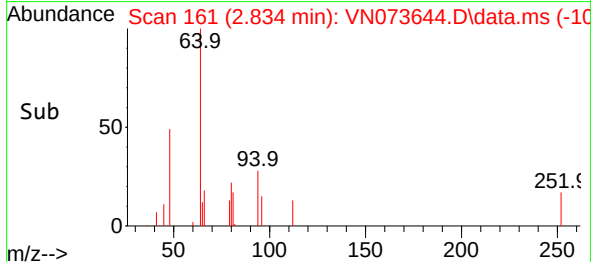
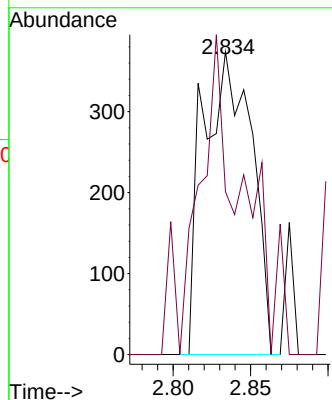
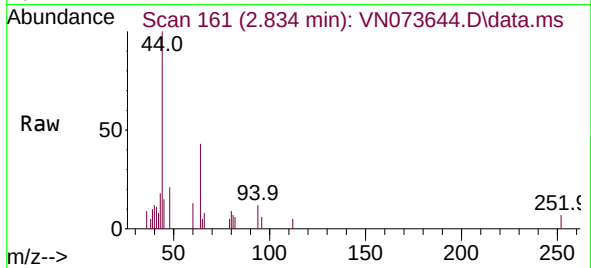




#5
Bromomethane
Concen: 0.238 ug/l
RT: 2.834 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

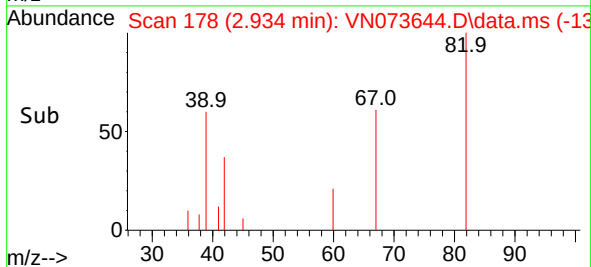
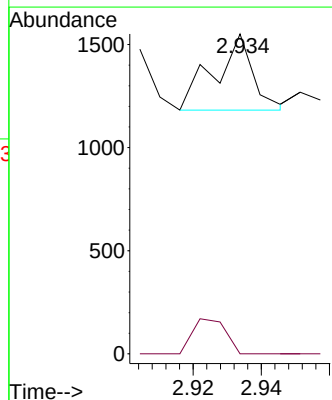
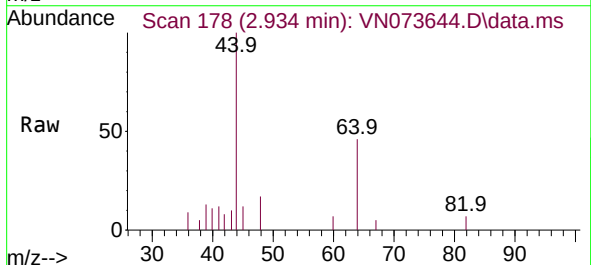
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MSVOA_N
ClientSampleId :
PB146545ZHE#05

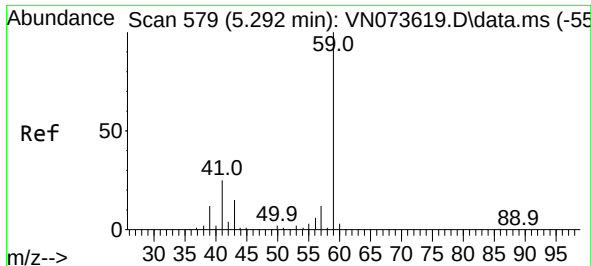
Tgt Ion: 94 Resp: 813
Ion Ratio Lower Upper
94 100
96 53.7 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.934 min Scan# 178
Delta R.T. -0.023 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

Tgt Ion: 64 Resp: 290
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

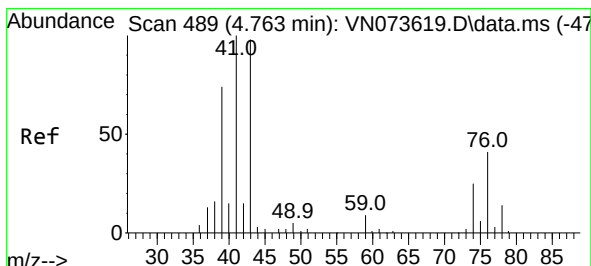
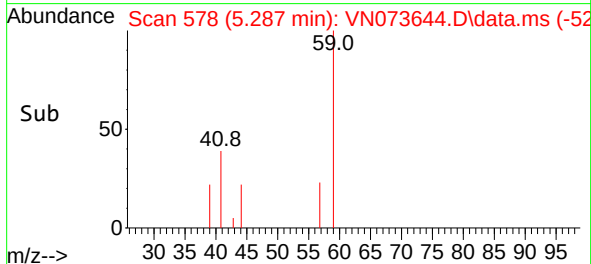
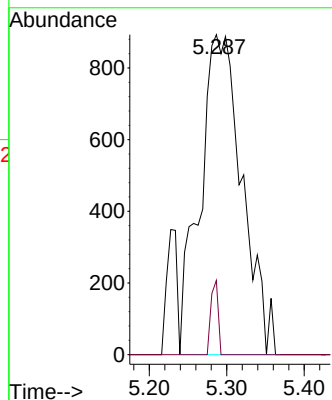
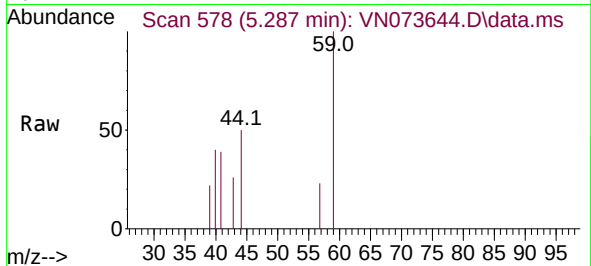




#11
Tert butyl alcohol
Concen: 3.721 ug/l
RT: 5.287 min Scan# 51
Delta R.T. -0.005 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

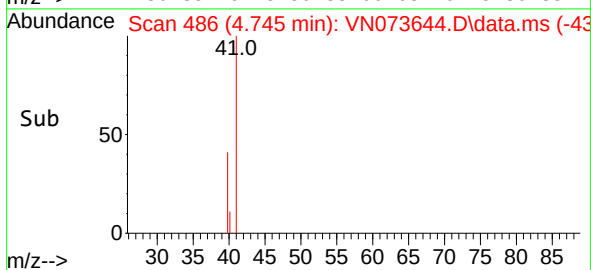
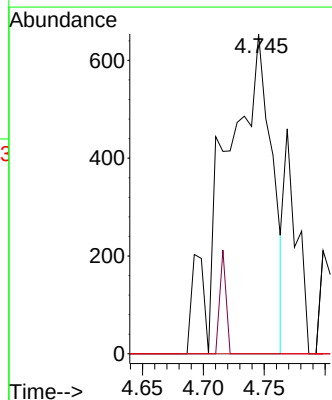
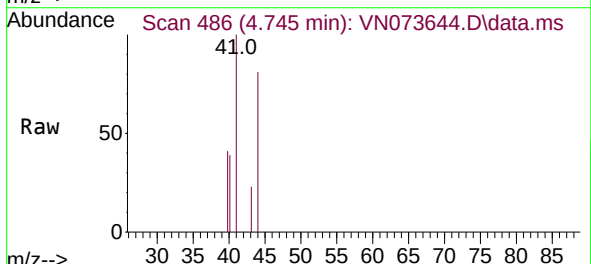
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MSVOA_N
ClientSampleId :
PB146545ZHE#05

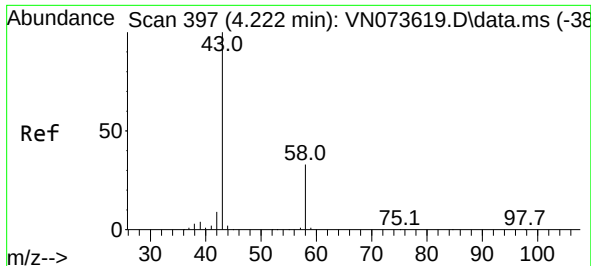
Tgt Ion: 59 Resp: 3390
Ion Ratio Lower Upper
59 100
57 3.9 8.3 12.5#



#14
Allyl chloride
Concen: 0.327 ug/l
RT: 4.745 min Scan# 486
Delta R.T. -0.018 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

Tgt Ion: 41 Resp: 1722
Ion Ratio Lower Upper
41 100
39 0.0 53.2 79.8#
76 0.0 29.9 44.9#

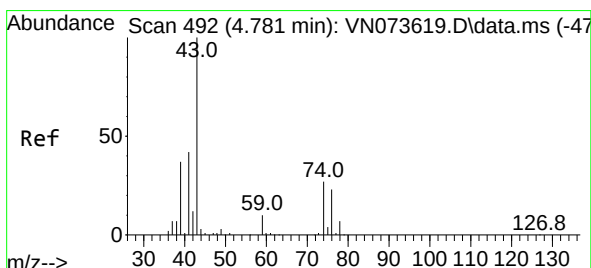
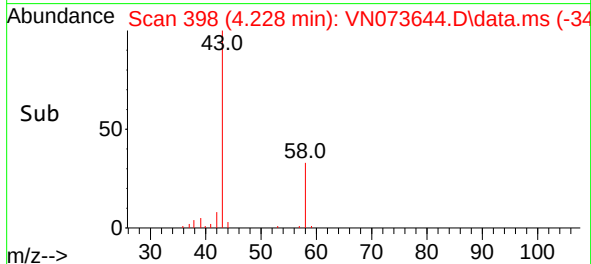
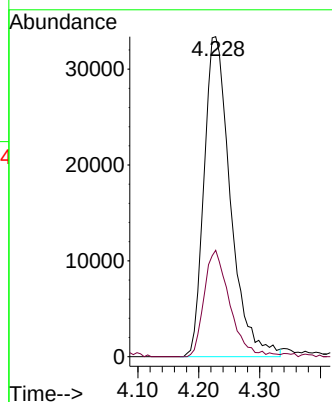
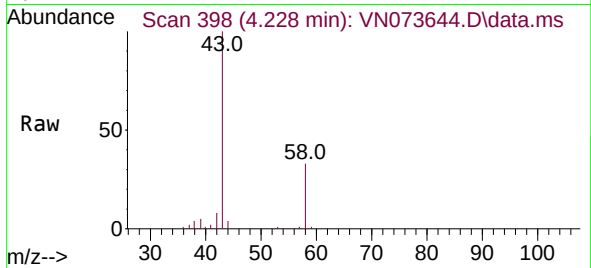




#16
Acetone
Concen: 44.309 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

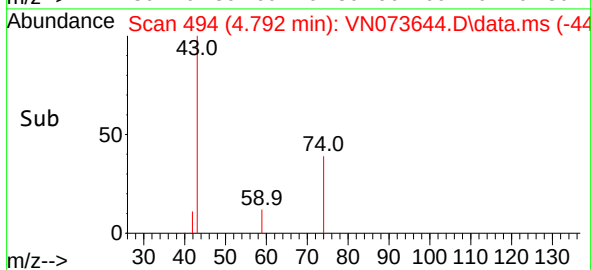
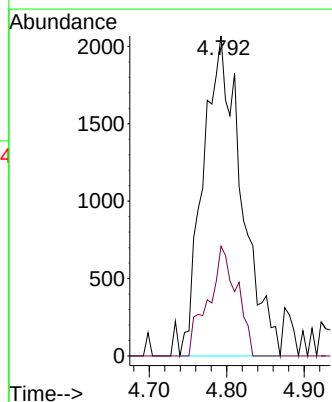
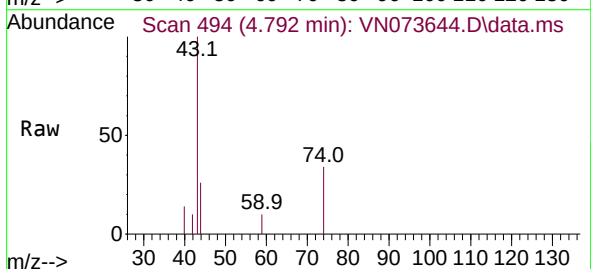
Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#05

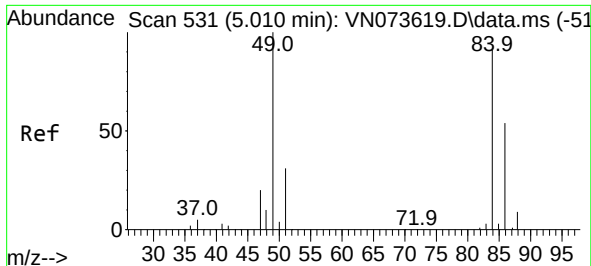
Tgt Ion: 43 Resp: 100537
Ion Ratio Lower Upper
43 100
58 33.2 26.0 39.0



#18
Methyl Acetate
Concen: 1.263 ug/l
RT: 4.792 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

Tgt Ion: 43 Resp: 7128
Ion Ratio Lower Upper
43 100
74 25.5 21.6 32.4

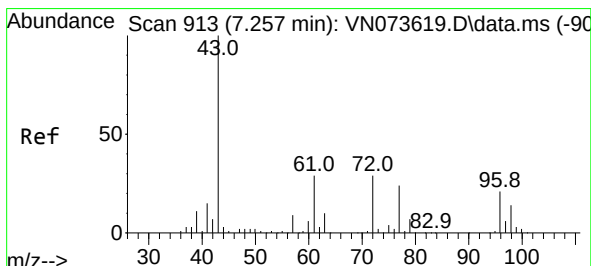
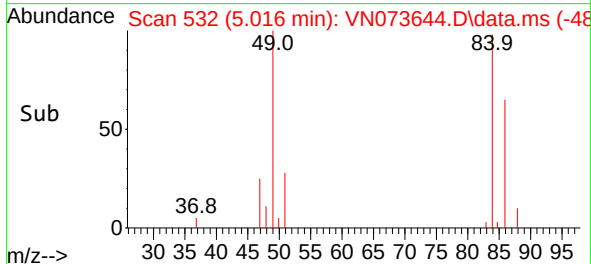
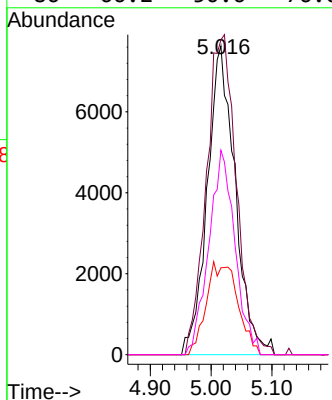
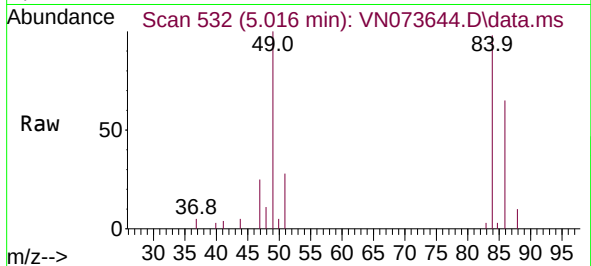




#20
Methylene Chloride
Concen: 4.603 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

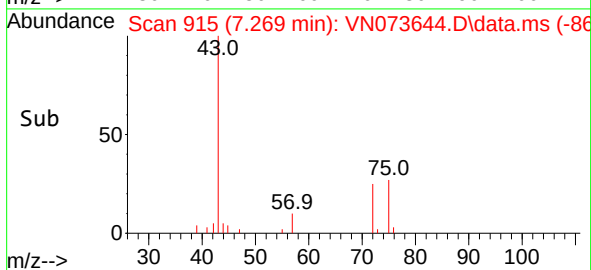
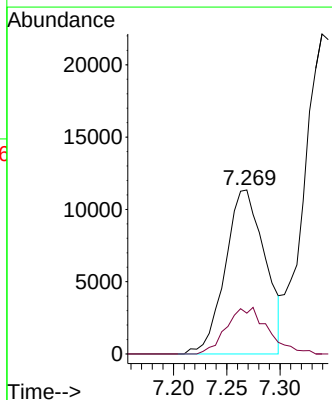
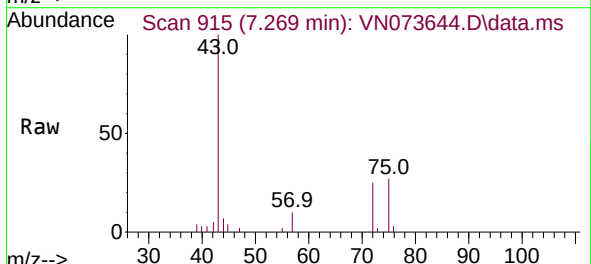
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ClientSampleId :
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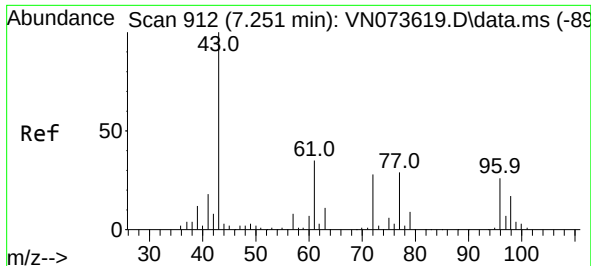
Tgt Ion:	84	Resp:	24240
Ion	Ratio	Lower	Upper
84	100		
49	101.9	88.3	132.5
51	28.1	28.2	42.2#
86	66.2	50.6	76.0



#25
2-Butanone
Concen: 8.370 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

Tgt Ion:	43	Resp:	29493
Ion	Ratio	Lower	Upper
43	100		
72	24.9	23.7	35.5





#26

2,2-Dichloropropane

Concen: 0.216 ug/l

RT: 7.228 min Scan# 90

Delta R.T. -0.024 min

Lab File: VN073644.D

Acq: 29 Jul 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

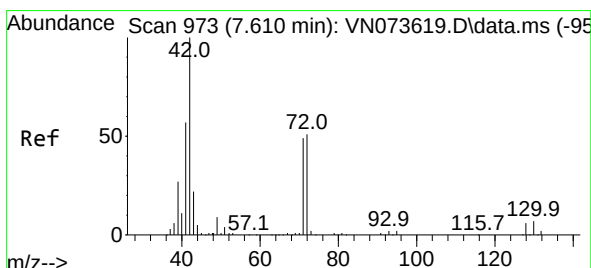
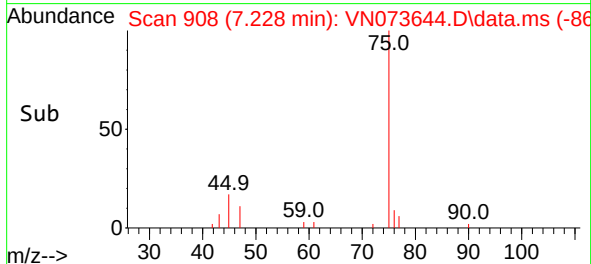
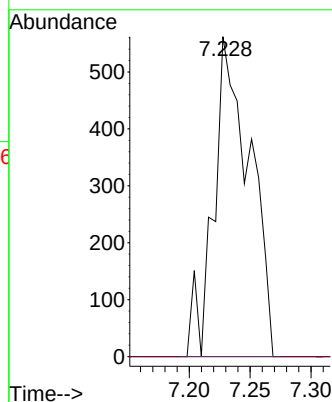
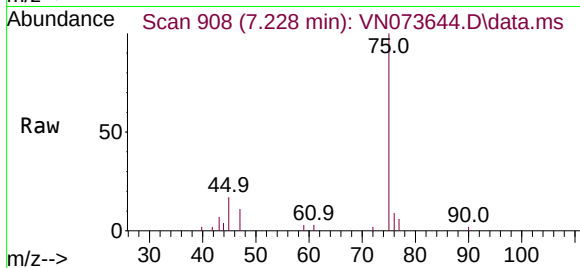
PB146545ZHE#05

Tgt Ion: 77 Resp: 1162

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 4.313 ug/l

RT: 7.616 min Scan# 974

Delta R.T. 0.006 min

Lab File: VN073644.D

Acq: 29 Jul 2022 19:02

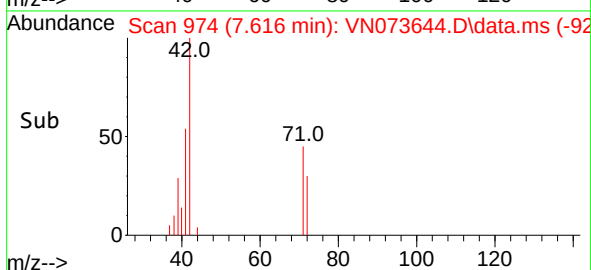
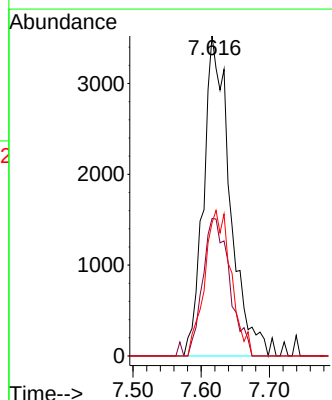
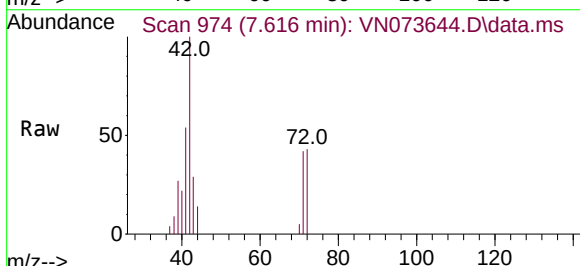
Tgt Ion: 42 Resp: 9609

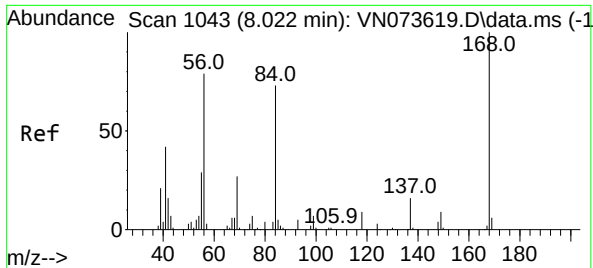
Ion Ratio Lower Upper

42 100

72 43.2 39.7 59.5

71 44.9 36.6 55.0

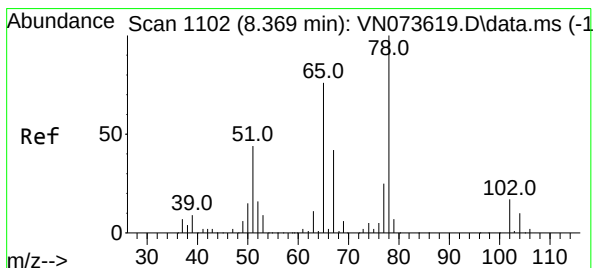
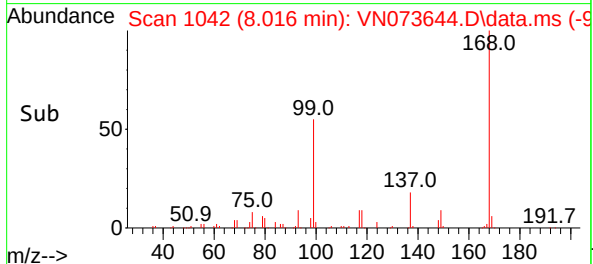
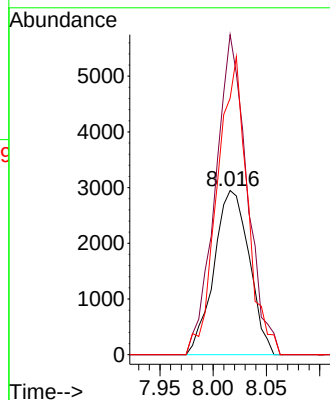
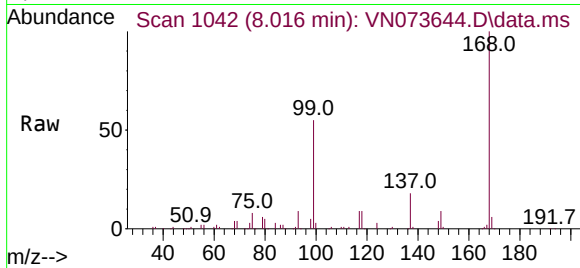




#31
Cyclohexane
Concen: 1.080 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

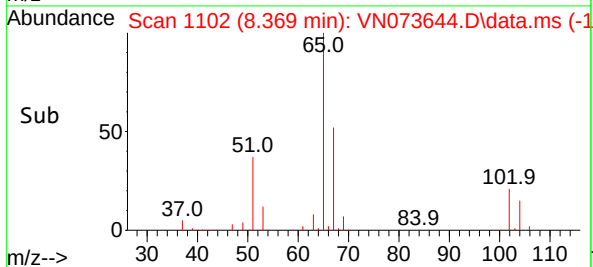
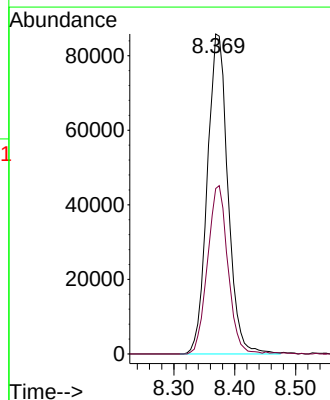
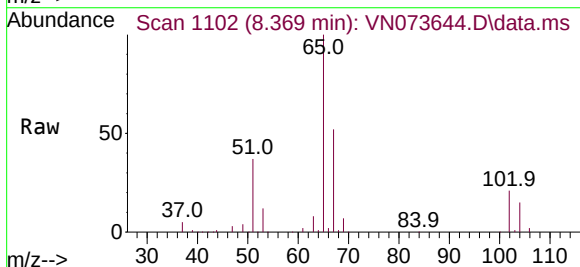
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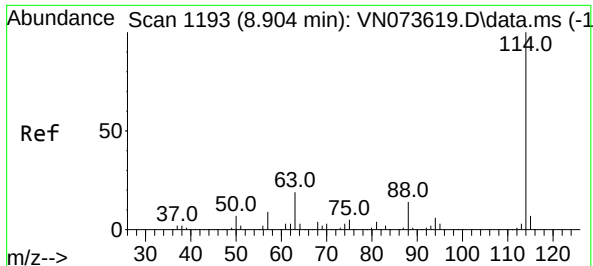
Tgt Ion: 56 Resp: 6792
Ion Ratio Lower Upper
56 100
69 194.9 27.8 41.8#
84 156.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.590 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

Tgt Ion: 65 Resp: 201044
Ion Ratio Lower Upper
65 100
67 51.9 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: VN073644.D

Acq: 29 Jul 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

PB146545ZHE#05

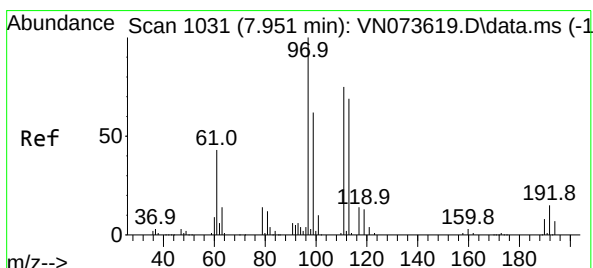
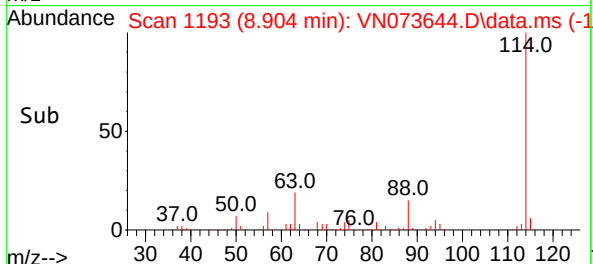
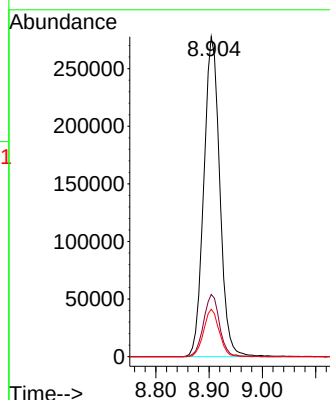
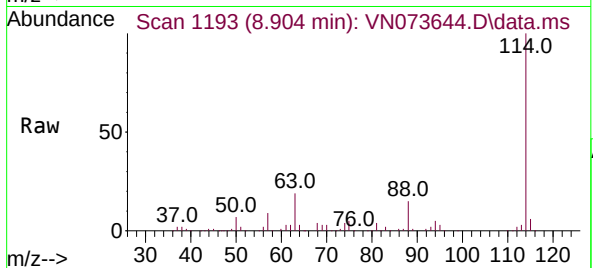
Tgt Ion:114 Resp: 579687

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 14.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.091 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073644.D

Acq: 29 Jul 2022 19:02

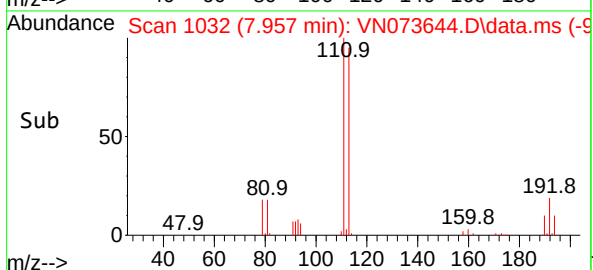
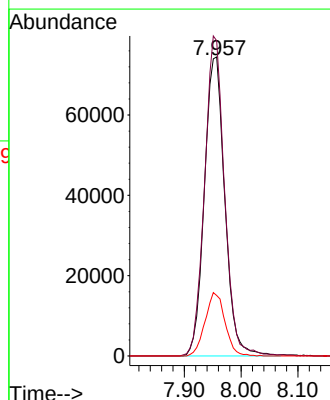
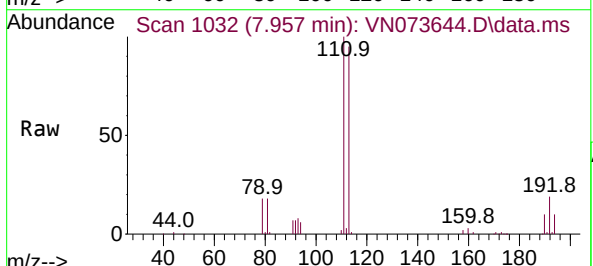
Tgt Ion:113 Resp: 185973

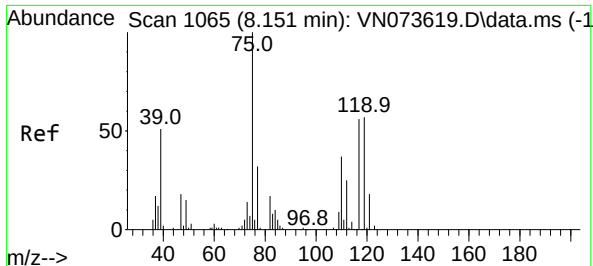
Ion Ratio Lower Upper

113 100

111 104.7 81.4 122.0

192 20.6 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.953 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN073644.D

Acq: 29 Jul 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

PB146545ZHE#05

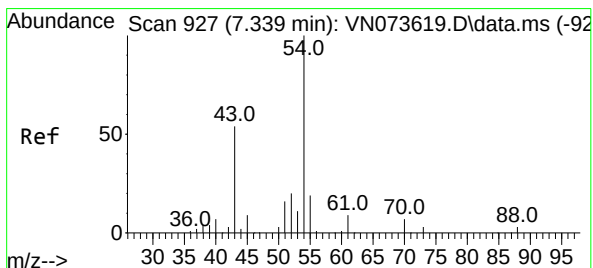
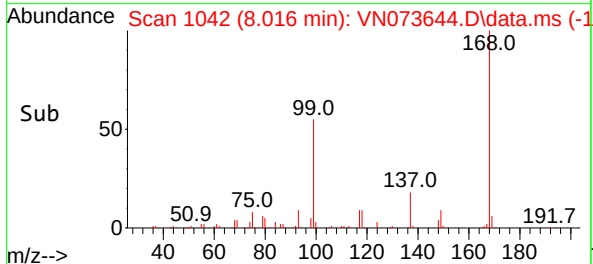
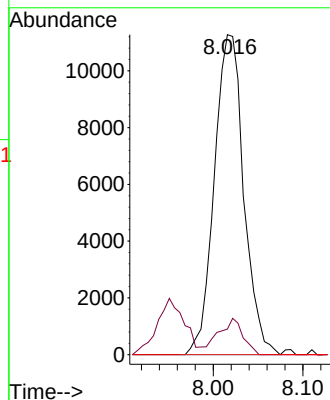
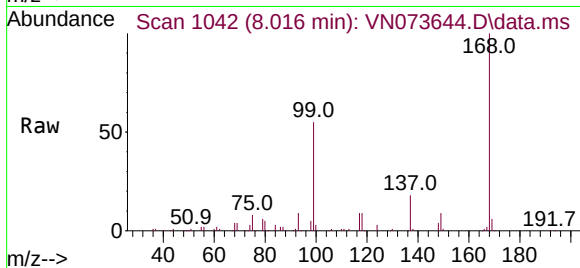
Tgt Ion: 75 Resp: 25695

Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 8.395 ug/l

RT: 7.339 min Scan# 927

Delta R.T. -0.000 min

Lab File: VN073644.D

Acq: 29 Jul 2022 19:02

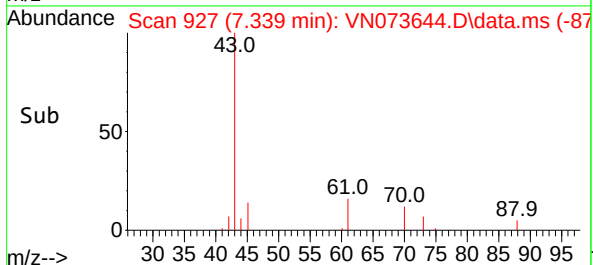
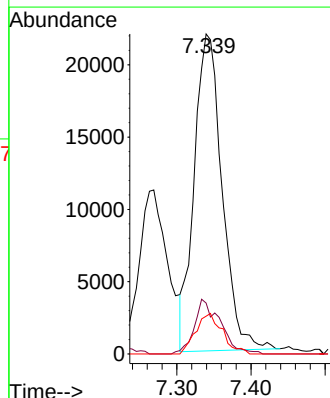
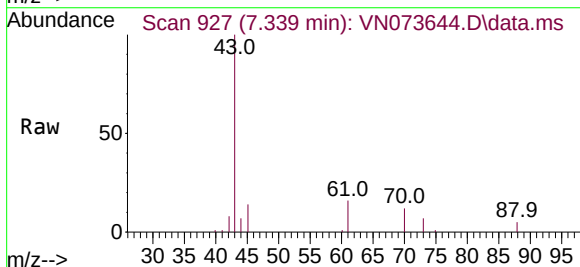
Tgt Ion: 43 Resp: 57355

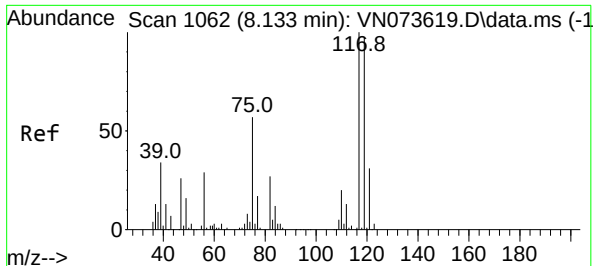
Ion Ratio Lower Upper

43 100

61 16.3 11.8 17.6

70 12.2 9.3 13.9

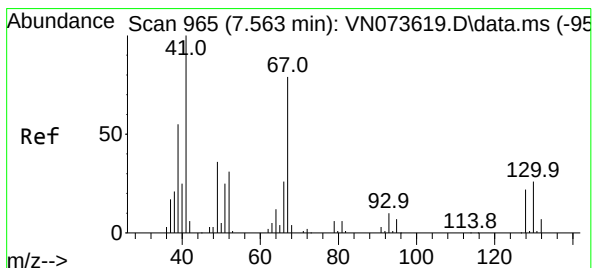
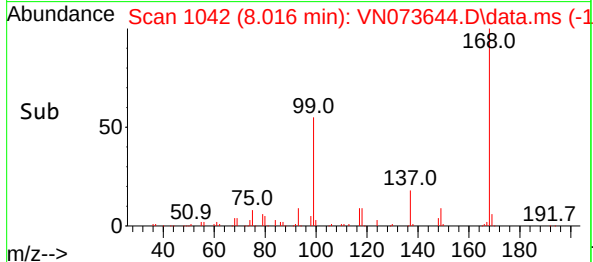
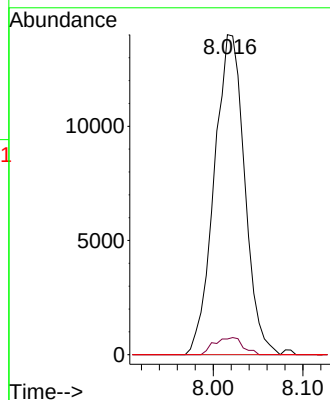
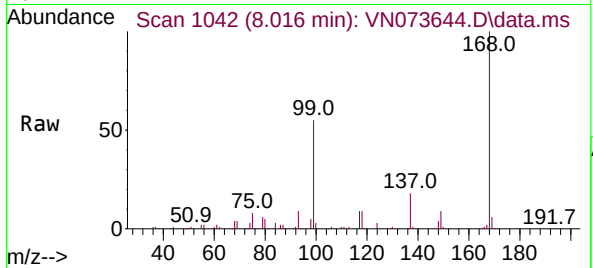




#38
Carbon Tetrachloride
Concen: 6.262 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

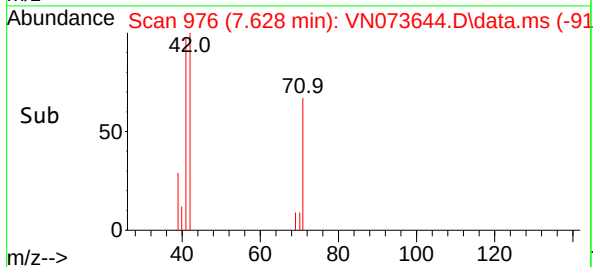
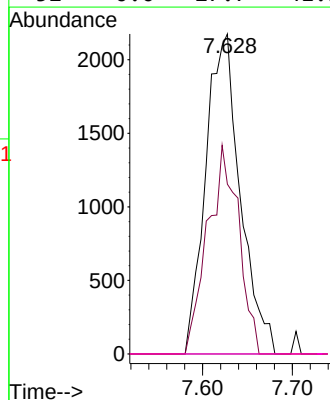
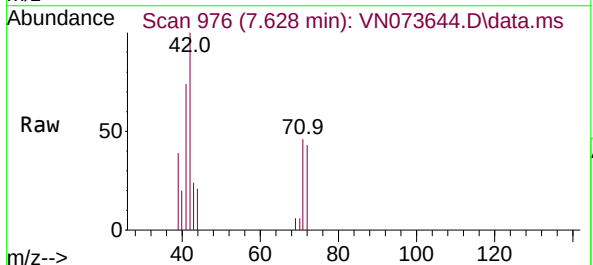
Instrument : MSVOA_N
ClientSampleId : PB146545ZHE#05

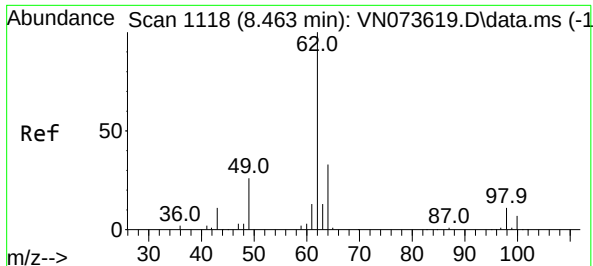
Tgt Ion:117 Resp: 32996
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 1.883 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.065 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

Tgt Ion: 41 Resp: 5821
Ion Ratio Lower Upper
41 100
39 58.4 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.284 ug/l

RT: 8.492 min Scan# 1118

Delta R.T. 0.029 min

Lab File: VN073644.D

Acq: 29 Jul 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

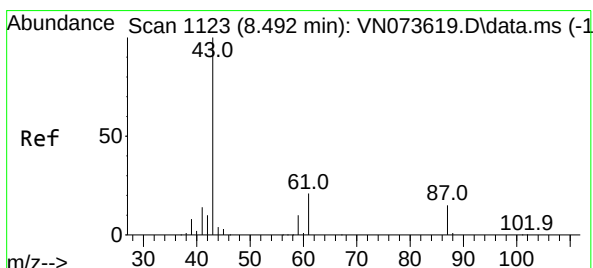
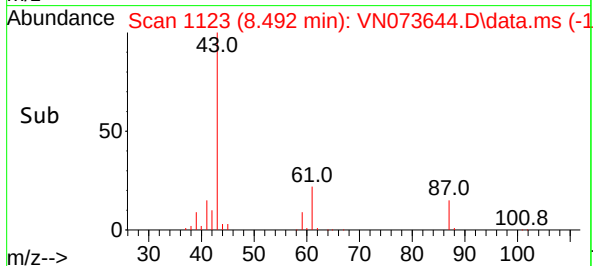
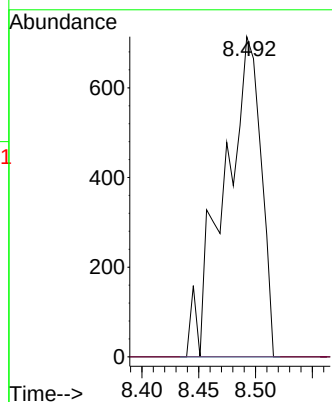
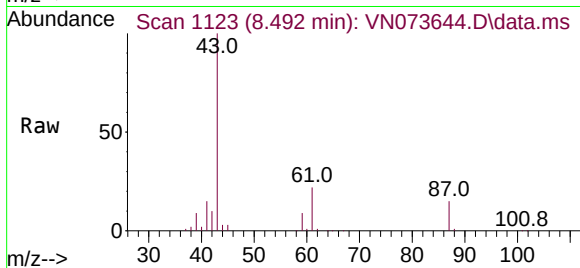
PB146545ZHE#05

Tgt Ion: 62 Resp: 1611

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 25.682 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073644.D

Acq: 29 Jul 2022 19:02

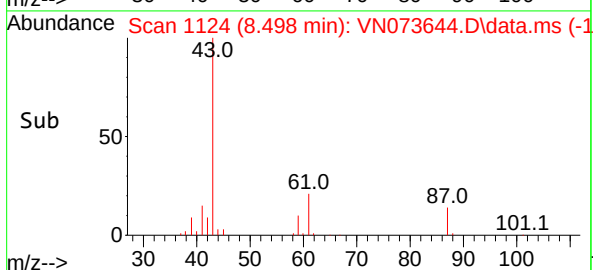
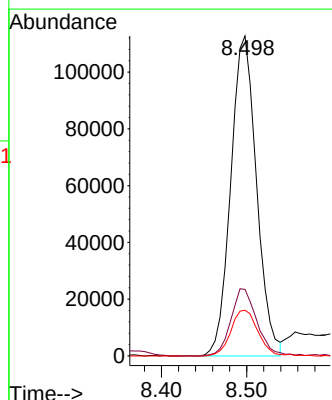
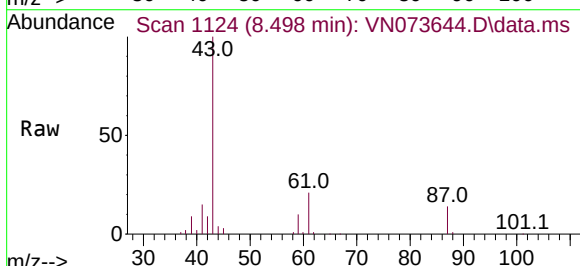
Tgt Ion: 43 Resp: 237008

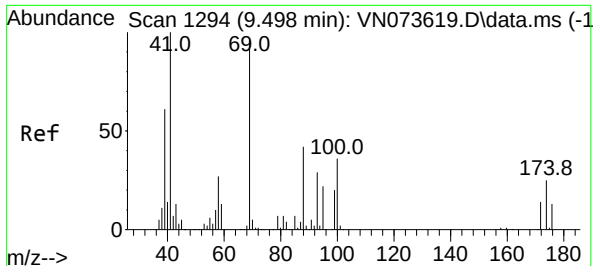
Ion Ratio Lower Upper

43 100

61 21.3 21.9 32.9#

87 15.2 12.0 18.0





#48

Methyl methacrylate

Concen: 2.188 ug/l

RT: 9.492 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN073644.D

Acq: 29 Jul 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

PB146545ZHE#05

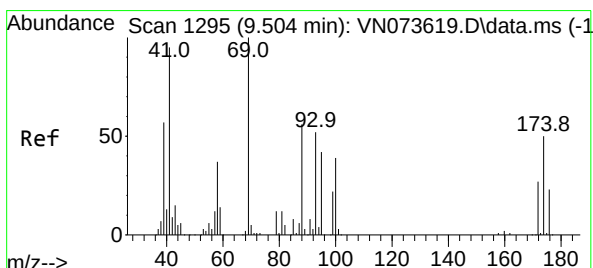
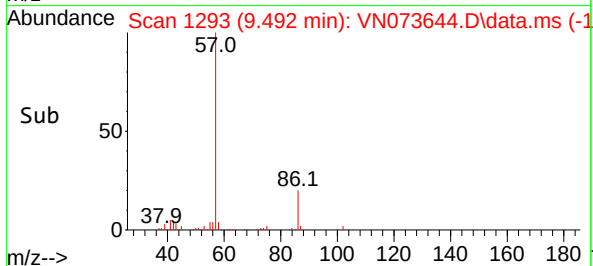
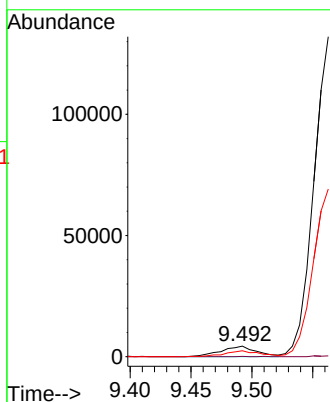
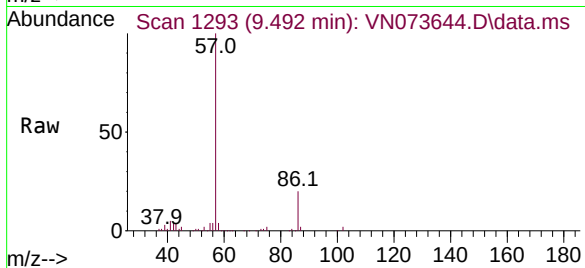
Tgt Ion: 41 Resp: 8840

Ion Ratio Lower Upper

41 100

69 0.7 74.7 112.1#

39 55.3 45.6 68.4



#49

1,4-Dioxane

Concen: 0.641 ug/l

RT: 9.498 min Scan# 1294

Delta R.T. -0.006 min

Lab File: VN073644.D

Acq: 29 Jul 2022 19:02

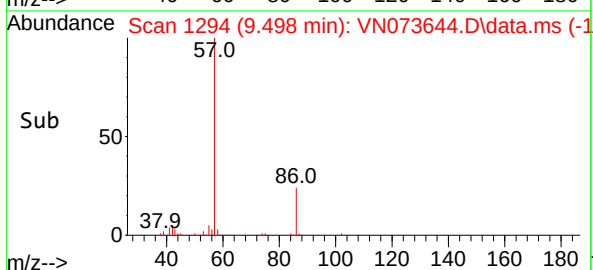
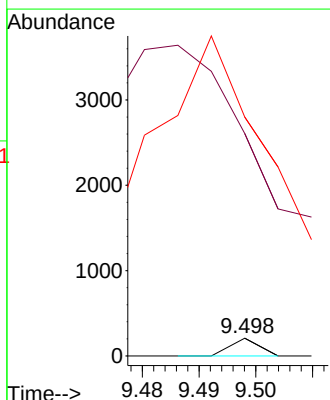
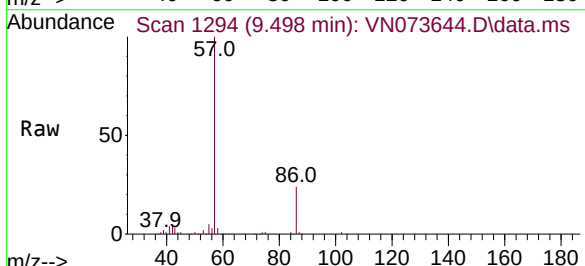
Tgt Ion: 88 Resp: 73

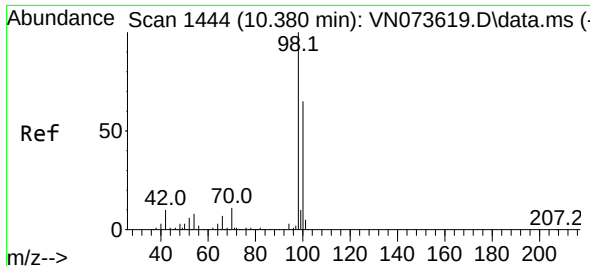
Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 9815.1 54.2 81.4#

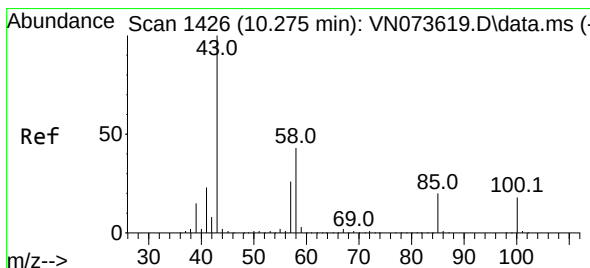
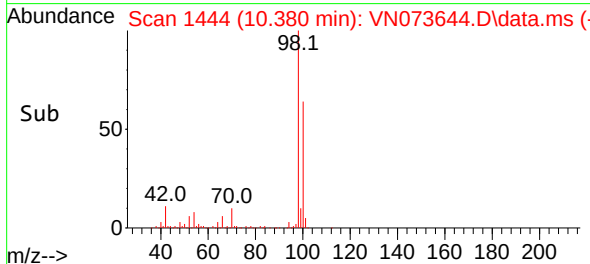
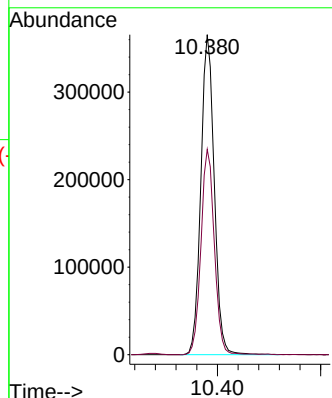
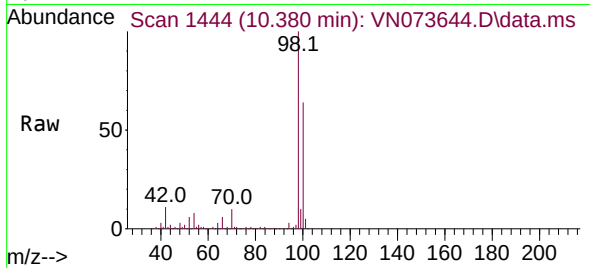




#50
Toluene-d8
Concen: 45.884 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

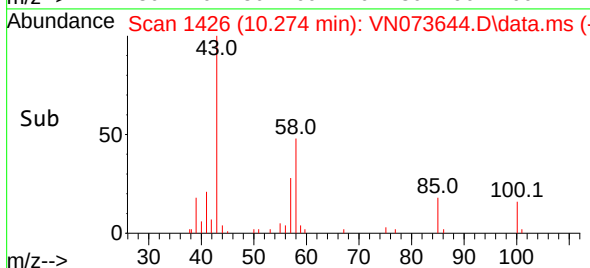
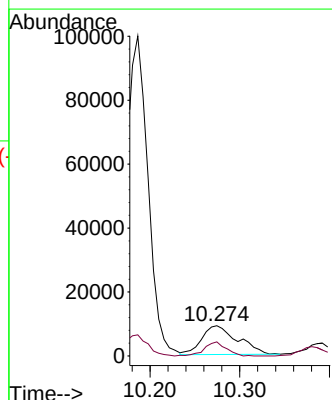
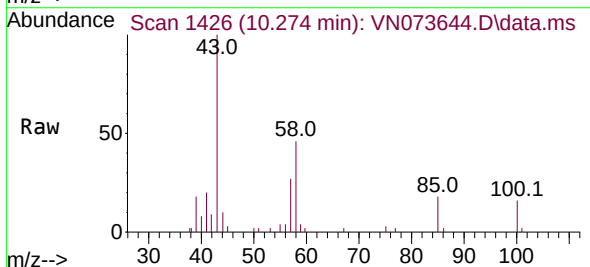
Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#05

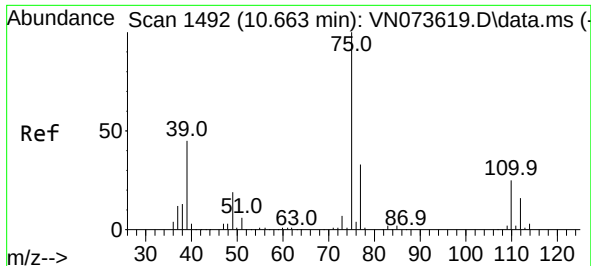
Tgt Ion: 98 Resp: 657243
Ion Ratio Lower Upper
98 100
100 64.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 3.750 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

Tgt Ion: 43 Resp: 24823
Ion Ratio Lower Upper
43 100
58 30.0 34.1 51.1#

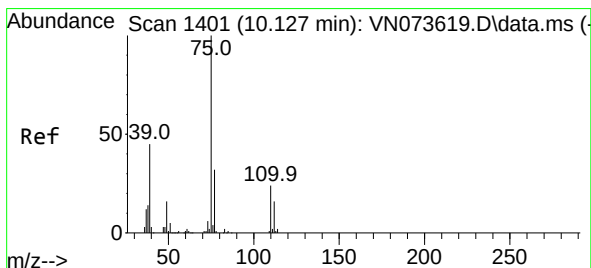
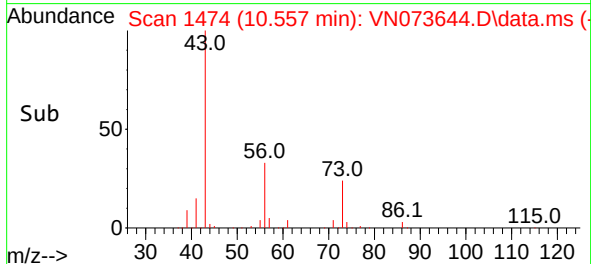
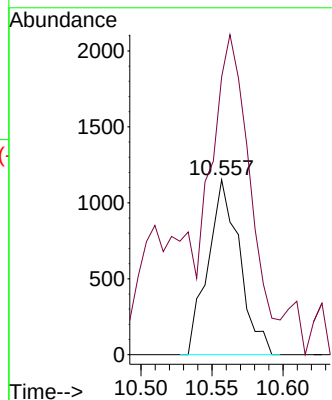
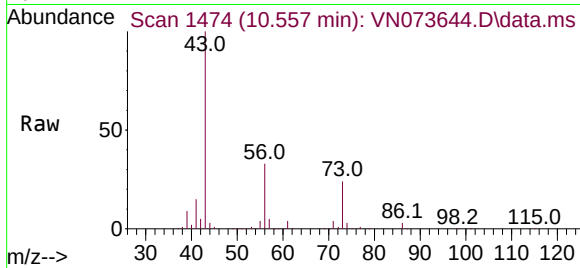




#53
t-1,3-Dichloropropene
Concen: 0.322 ug/l
RT: 10.557 min Scan# 1411
Delta R.T. -0.106 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

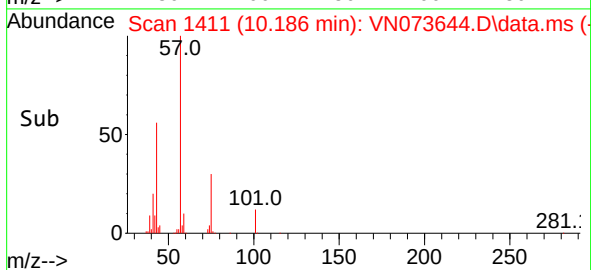
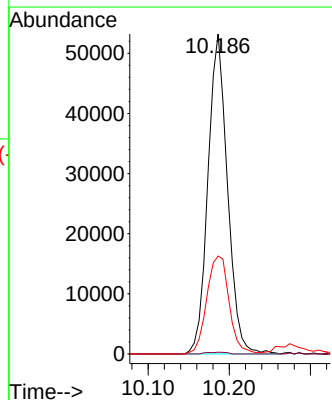
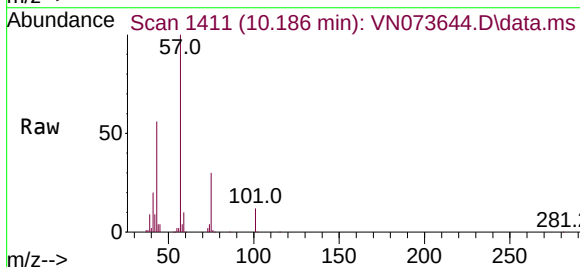
Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#05

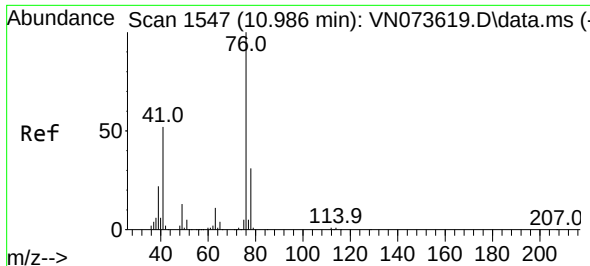
Tgt Ion: 75 Resp: 1785
Ion Ratio Lower Upper
75 100
77 138.9 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 14.230 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

Tgt Ion: 75 Resp: 88859
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 30.6 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.762 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN073644.D

Acq: 29 Jul 2022 19:02

Instrument :

MSVOA_N

ClientSampleId :

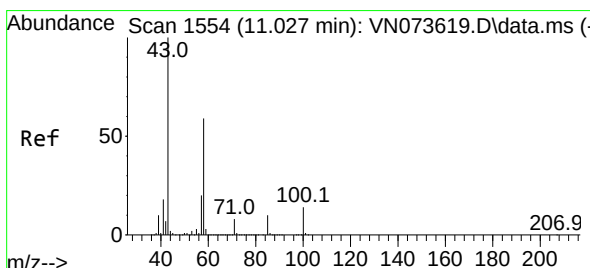
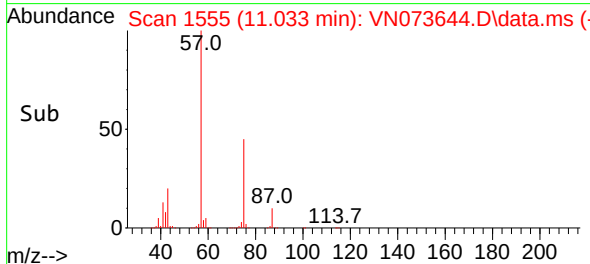
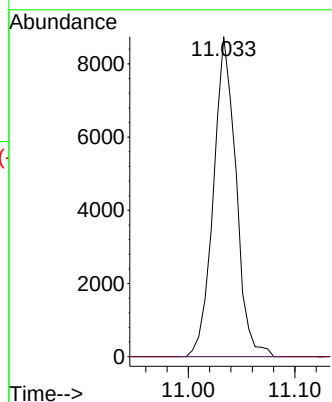
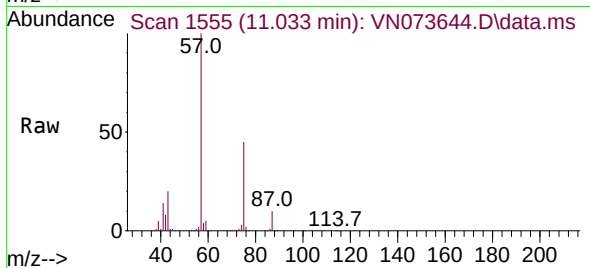
PB146545ZHE#05

Tgt Ion: 76 Resp: 12831

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 33.020 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073644.D

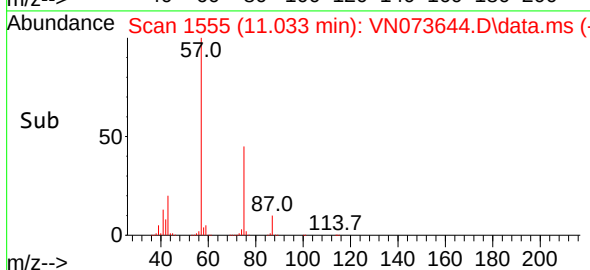
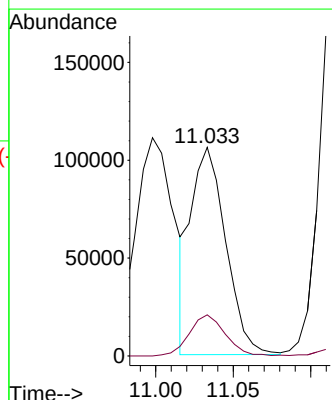
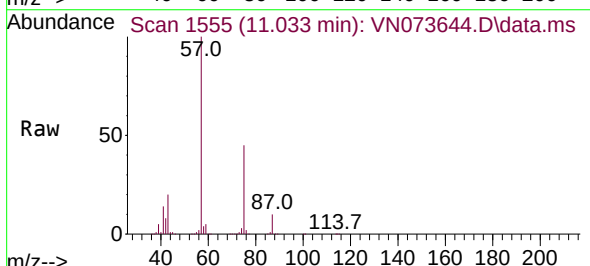
Acq: 29 Jul 2022 19:02

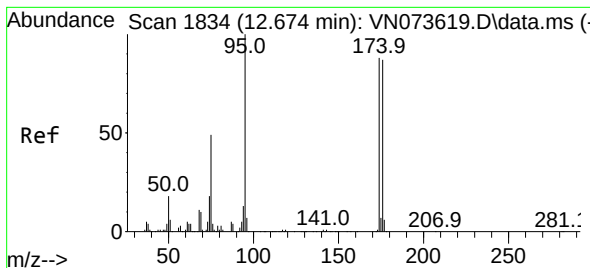
Tgt Ion: 43 Resp: 165590

Ion Ratio Lower Upper

43 100

58 20.7 29.7 89.1#

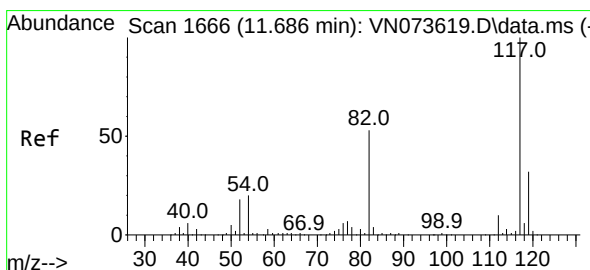
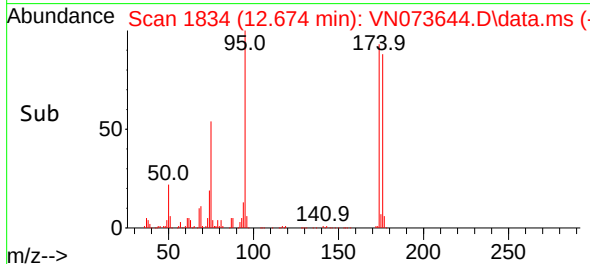
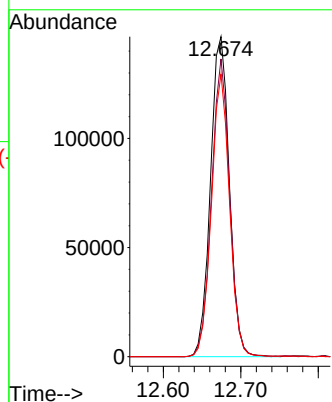
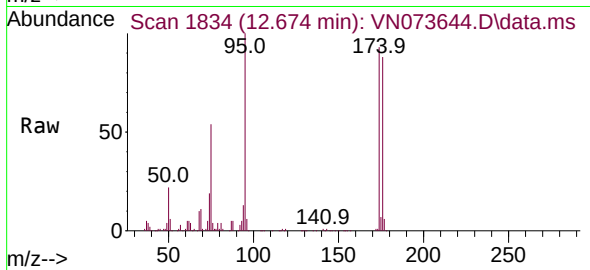




#62
4-Bromofluorobenzene
Concen: 51.495 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

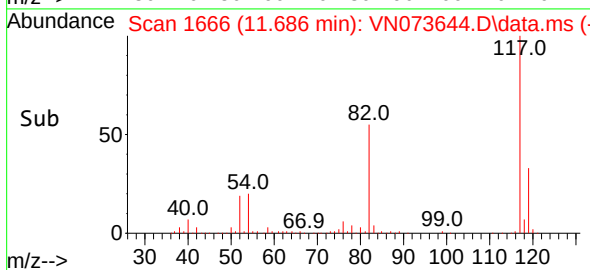
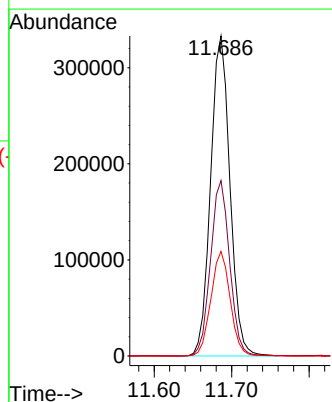
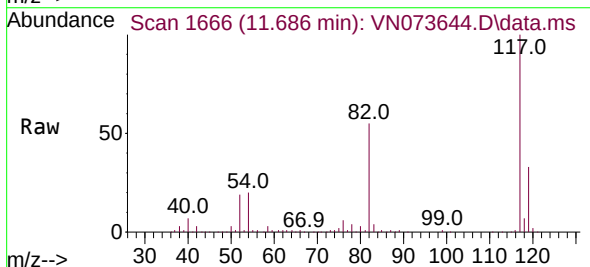
Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#05

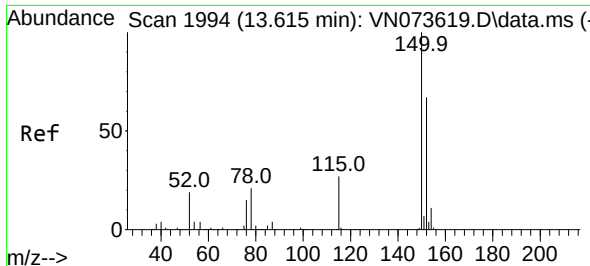
Tgt Ion: 95 Resp: 247867
Ion Ratio Lower Upper
95 100
174 89.4 0.0 167.6
176 84.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

Tgt Ion: 117 Resp: 577282
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 32.6 25.4 38.0

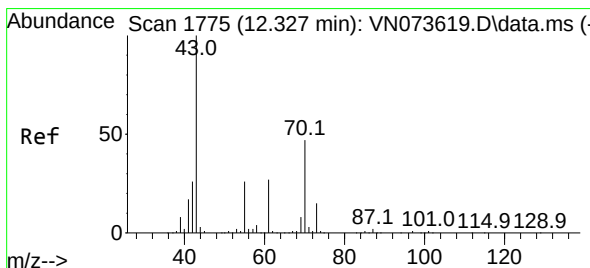
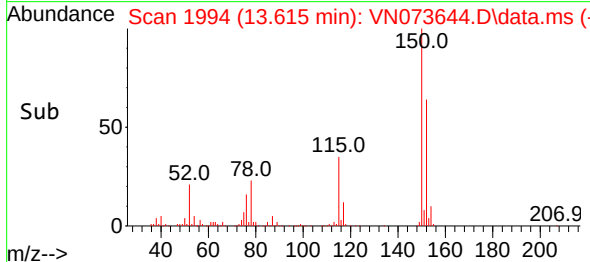
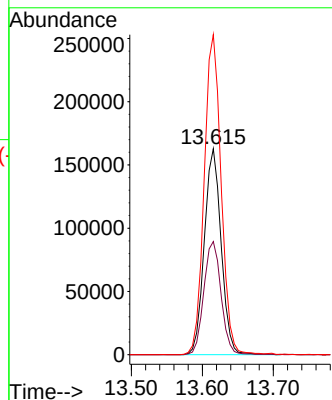
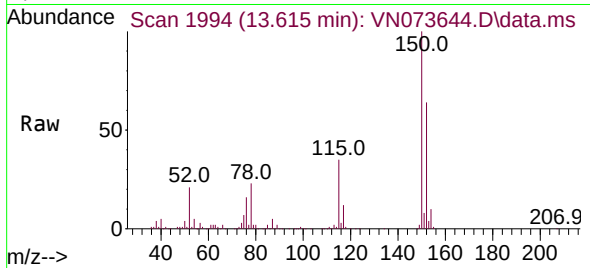




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

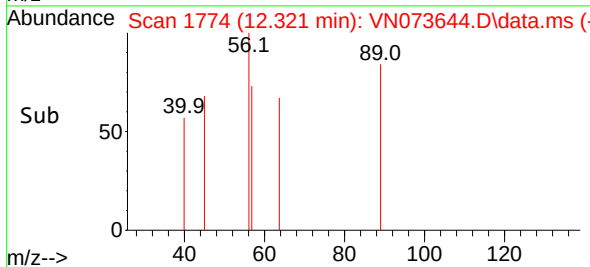
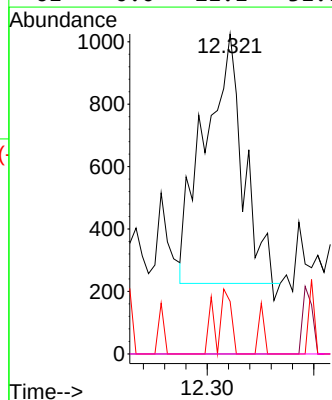
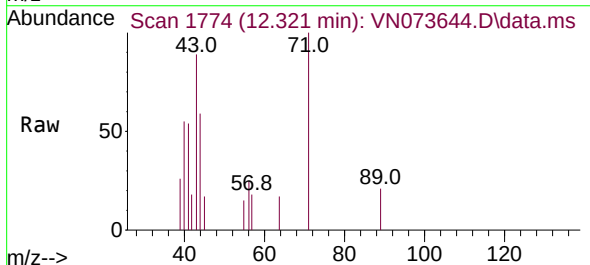
Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#05

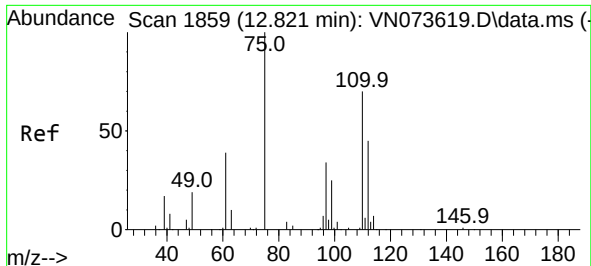
Tgt Ion:152 Resp: 269032
Ion Ratio Lower Upper
152 100
115 56.1 28.9 86.7
150 156.5 0.0 356.2



#74
N-ethyl acetate
Concen: 0.269 ug/l
RT: 12.321 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

Tgt Ion: 43 Resp: 1998
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 9.9 21.1 31.7#
61 0.0 21.1 31.7#

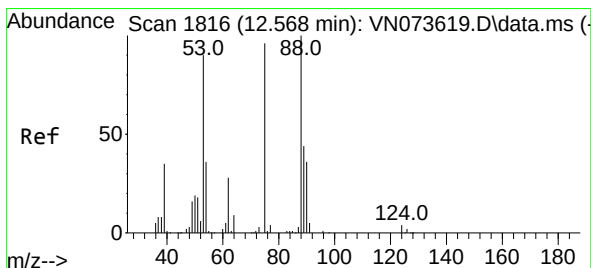
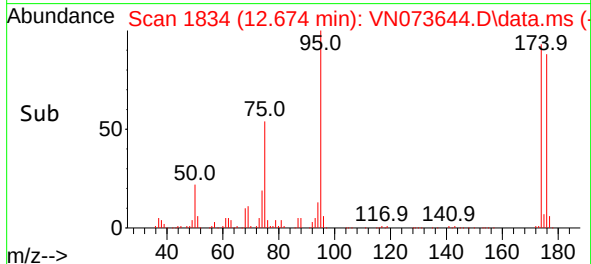
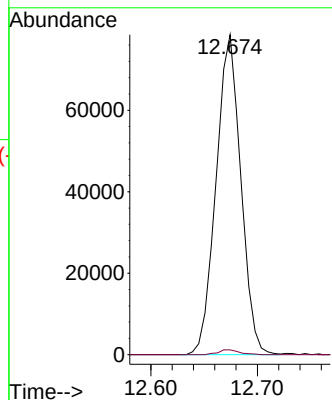
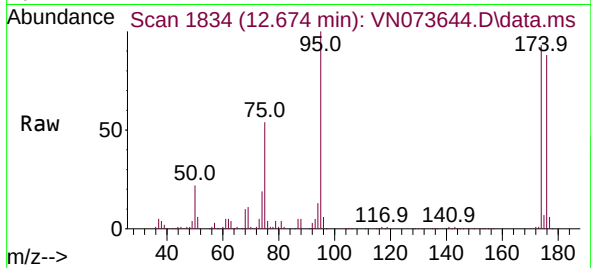




#76
1,2,3-Trichloropropane
Concen: 24.030 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

Instrument :
MSVOA_N
ClientSampleId :
PB146545ZHE#05

Tgt Ion: 75 Resp: 126682
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.023 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073644.D
Acq: 29 Jul 2022 19:02

Tgt Ion: 75 Resp: 126682
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

