

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073945.D
 Acq On : 16 Aug 2022 13:44
 Operator : JC\MD
 Sample : PB146976ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#01

Quant Time: Aug 17 01:13:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

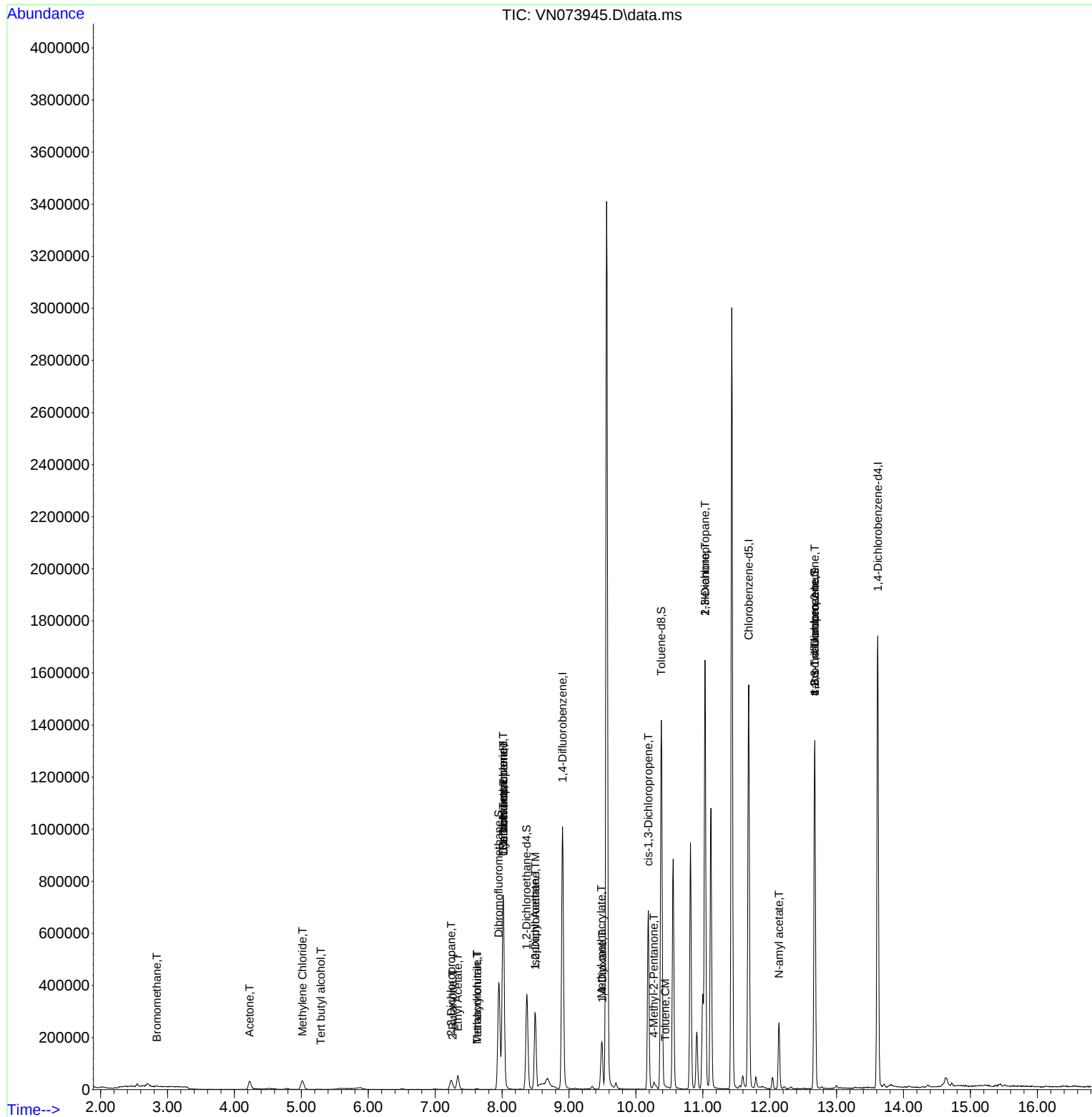
Internal Standards						
1) Pentafluorobenzene	8.016	168	654039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	948517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	942304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	521454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	308859	48.484	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.960%		
35) Dibromofluoromethane	7.951	113	303001	54.016	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.040%		
50) Toluene-d8	10.380	98	1026049	47.229	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.460%		
62) 4-Bromofluorobenzene	12.674	95	441160	61.187	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	122.380%		
Target Compounds						Qvalue
5) Bromomethane	2.840	94	1959	0.424	ug/l	86
11) Tert butyl alcohol	5.293	59	831	0.583	ug/l #	72
16) Acetone	4.228	43	61187	20.359	ug/l	91
18) Methyl Acetate	4.787	43	8750	Below Cal		94
20) Methylene Chloride	5.016	84	29583	4.665	ug/l	91
25) 2-Butanone	7.263	43	13311	2.793	ug/l	98
26) 2,2-Dichloropropane	7.239	77	2533	0.267	ug/l #	53
29) Tetrahydrofuran	7.628	42	2181	0.713	ug/l #	64
31) Cyclohexane	8.022	56	10660	1.200	ug/l #	2
36) 1,1-Dichloropropene	8.022	75	40363	5.181	ug/l #	49
37) Ethyl Acetate	7.339	43	77142	8.173	ug/l	99
38) Carbon Tetrachloride	8.016	117	55900	6.277	ug/l #	16
41) Methacrylonitrile	7.628	41	1369	0.321	ug/l #	40
42) 1,2-Dichloroethane	8.498	62	2345	0.277	ug/l #	74
43) Isopropyl Acetate	8.492	43	322060	23.951	ug/l	92
48) Methyl methacrylate	9.486	41	10920	1.898	ug/l #	40
49) 1,4-Dioxane	9.498	88	87	0.508	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	15663	1.723	ug/l	96
52) Toluene	10.439	92	3498	0.207	ug/l	94
54) cis-1,3-Dichloropropene	10.186	75	132854	13.510	ug/l #	60
57) 1,3-Dichloropropane	11.033	76	17692	1.659	ug/l #	42
59) 2-Hexanone	11.033	43	214226	30.618	ug/l #	49
74) N-amyl acetate	12.139	43	74998	5.225	ug/l #	49
76) 1,2,3-Trichloropropane	12.674	75	218027	20.116	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	218027	57.214	ug/l #	10

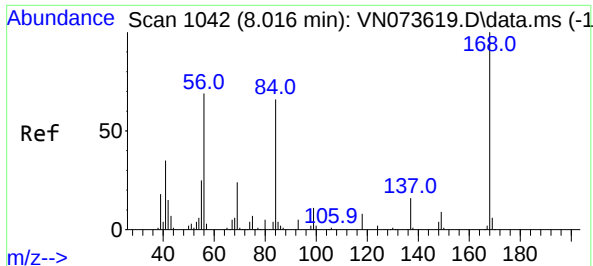
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB146976ZHE#01
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Instrument :
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Quant Title : SW846 8260
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Response via : Initial Calibration

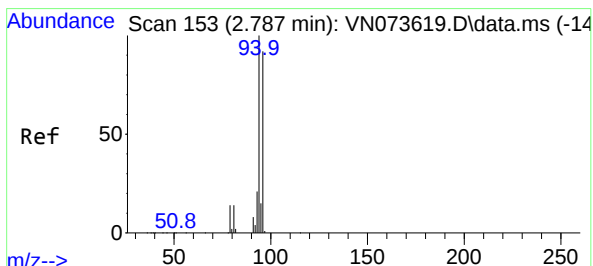
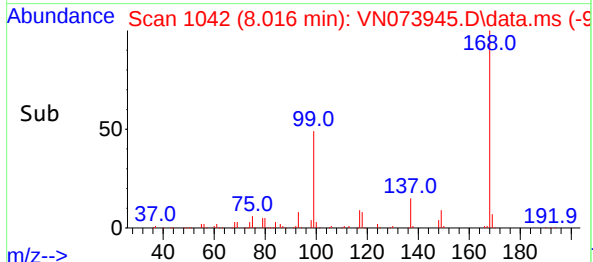
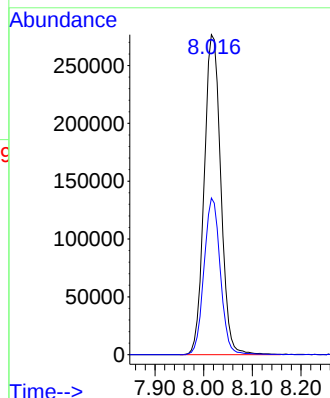
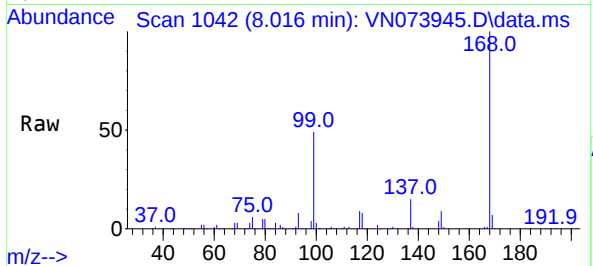




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

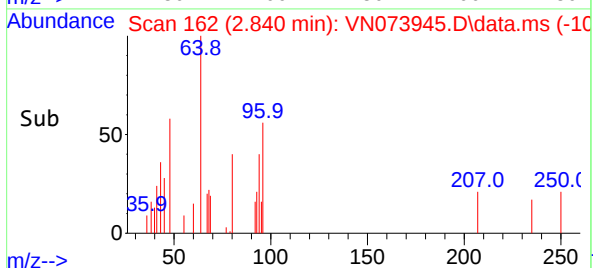
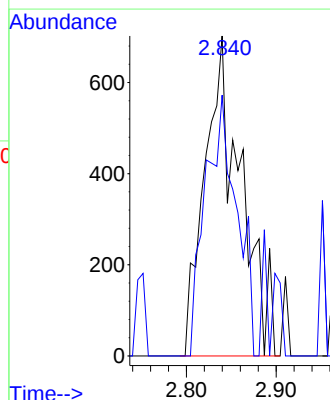
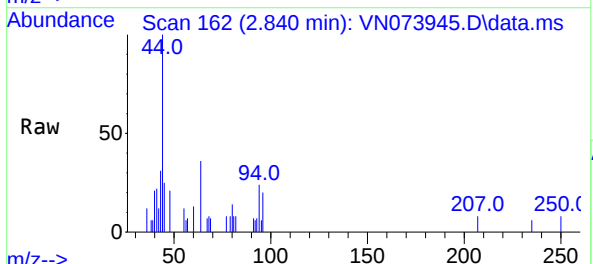
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#01

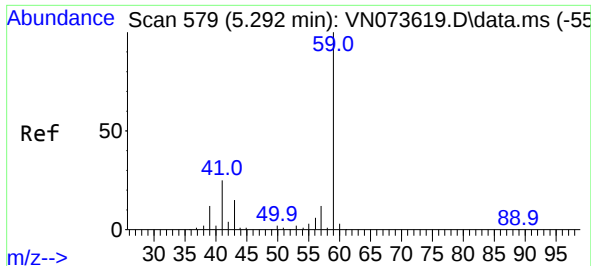
Tgt Ion:168 Resp: 654039
Ion Ratio Lower Upper
168 100
99 49.0 42.3 63.5



#5
Bromomethane
Concen: 0.424 ug/l
RT: 2.840 min Scan# 162
Delta R.T. 0.053 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

Tgt Ion: 94 Resp: 1959
Ion Ratio Lower Upper
94 100
96 81.5 76.0 114.0

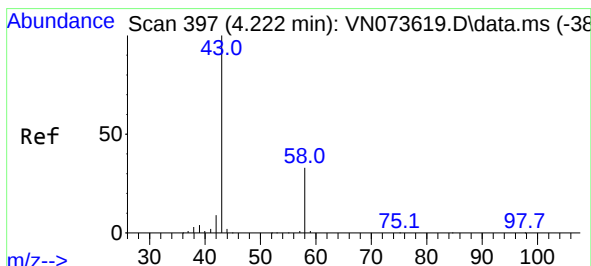
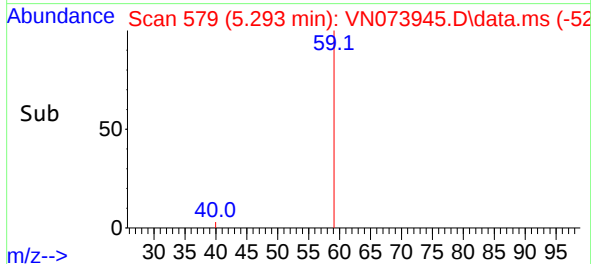
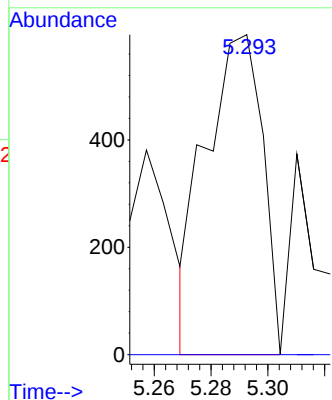
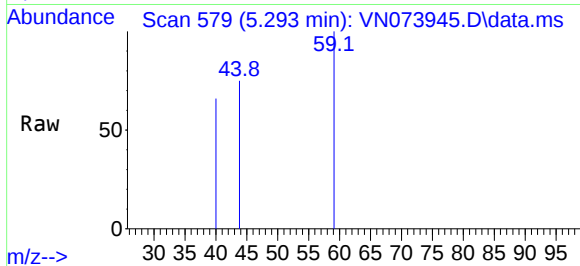




#11
Tert butyl alcohol
Concen: 0.583 ug/l
RT: 5.293 min Scan# 51
Delta R.T. 0.001 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

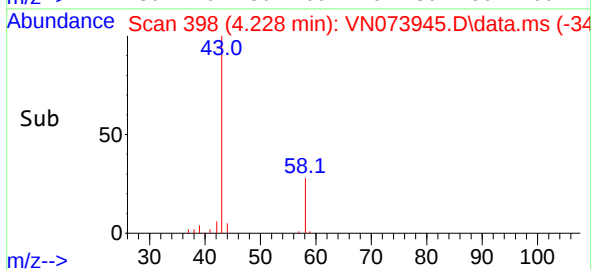
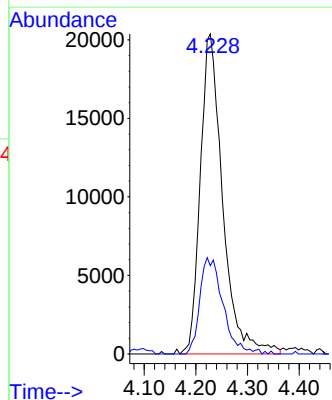
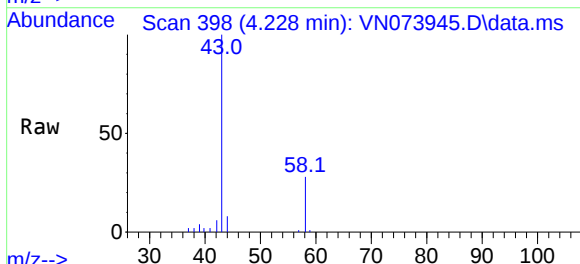
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#01

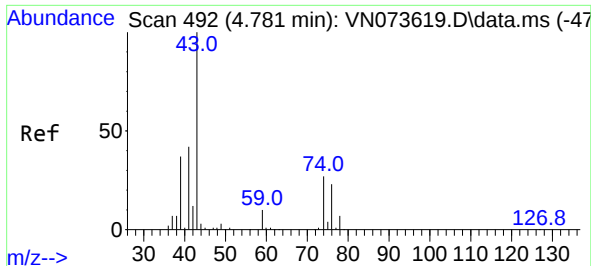
Tgt Ion: 59 Resp: 831
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 20.359 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

Tgt Ion: 43 Resp: 61187
Ion Ratio Lower Upper
43 100
58 27.6 26.0 39.0

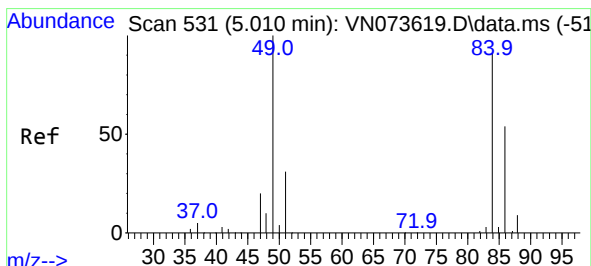
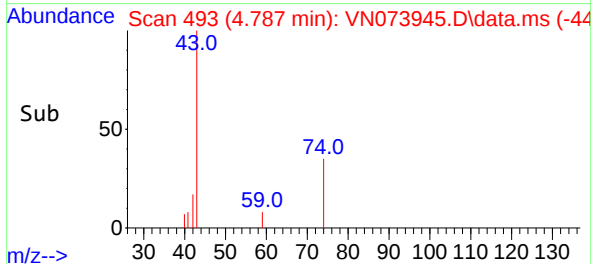
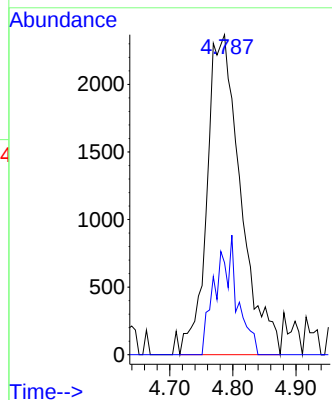
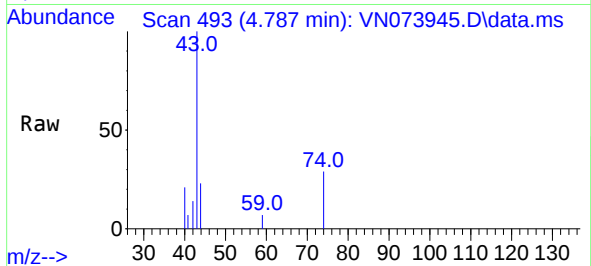




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

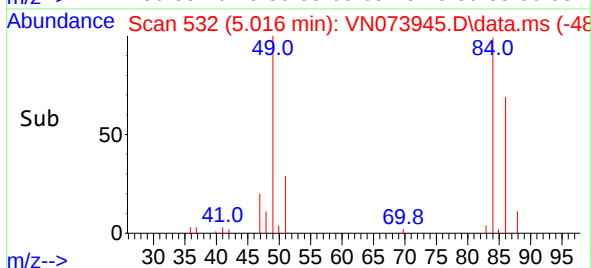
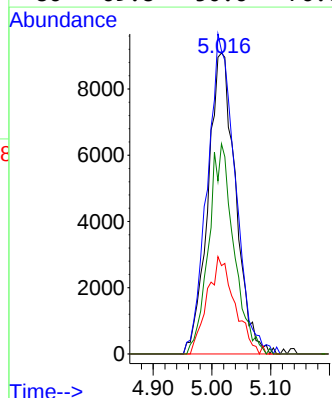
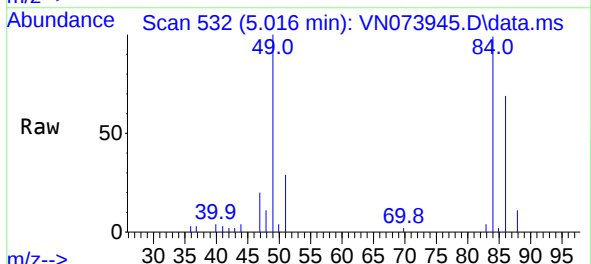
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#01

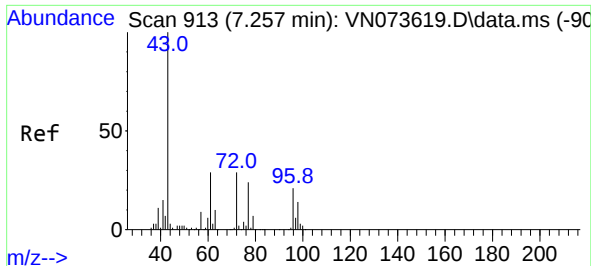
Tgt Ion: 43 Resp: 8750
Ion Ratio Lower Upper
43 100
74 24.1 21.6 32.4



#20
Methylene Chloride
Concen: 4.665 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

Tgt Ion: 84 Resp: 29583
Ion Ratio Lower Upper
84 100
49 100.8 88.3 132.5
51 29.3 28.2 42.2
86 69.8 50.6 76.0





#25

2-Butanone

Concen: 2.793 ug/l

RT: 7.263 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN073945.D

Acq: 16 Aug 2022 13:44

Instrument :

MSVOA_N

ClientSampleId :

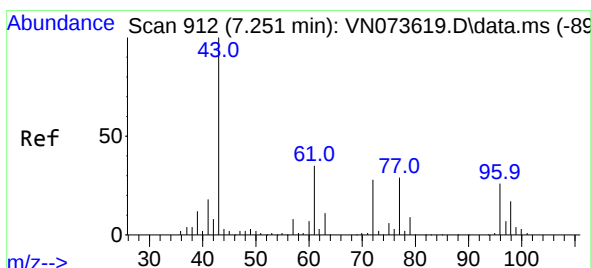
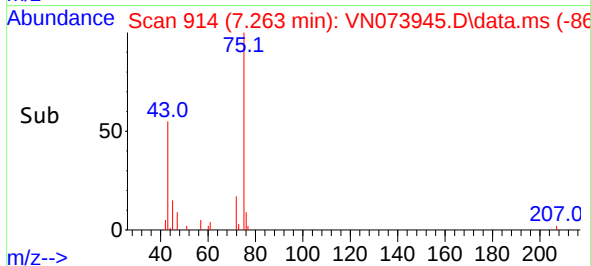
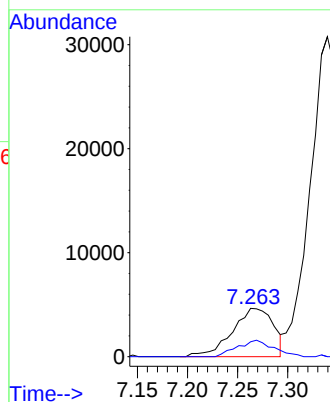
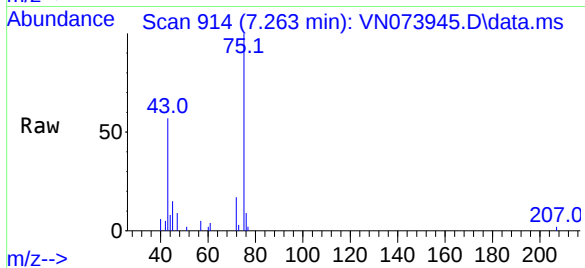
PB146976ZHE#01

Tgt Ion: 43 Resp: 13311

Ion Ratio Lower Upper

43 100

72 30.7 23.7 35.5



#26

2,2-Dichloropropane

Concen: 0.267 ug/l

RT: 7.239 min Scan# 910

Delta R.T. -0.012 min

Lab File: VN073945.D

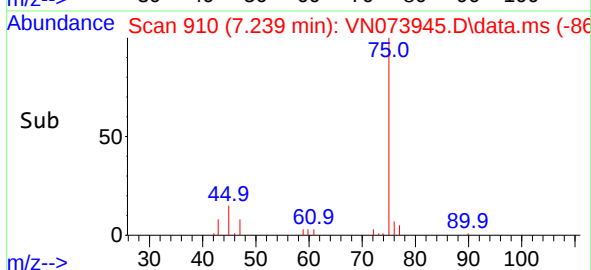
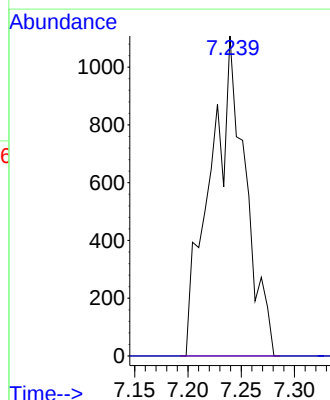
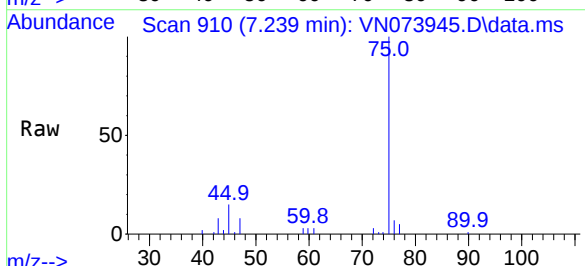
Acq: 16 Aug 2022 13:44

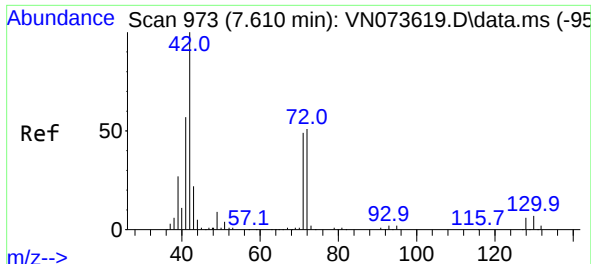
Tgt Ion: 77 Resp: 2533

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.713 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN073945.D

Acq: 16 Aug 2022 13:44

Instrument :

MSVOA_N

ClientSampleId :

PB146976ZHE#01

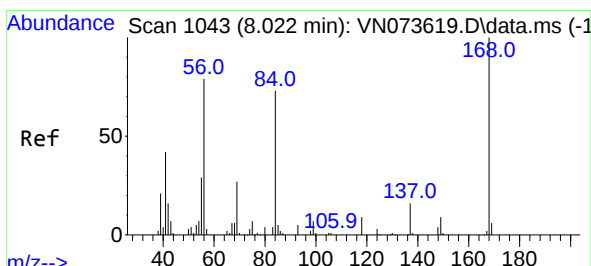
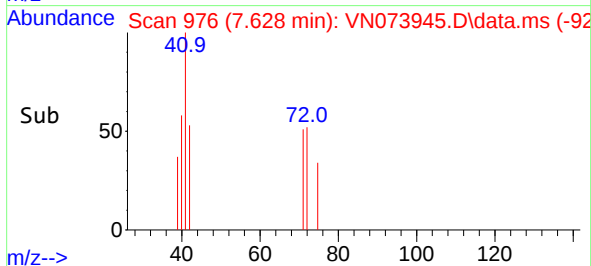
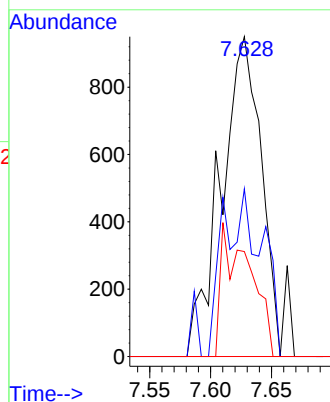
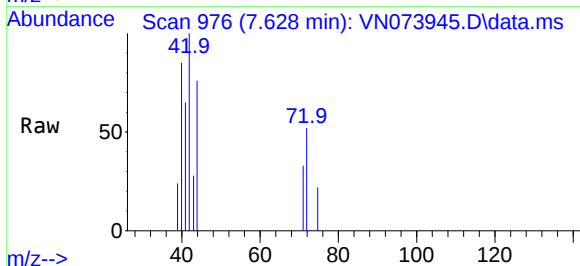
Tgt Ion: 42 Resp: 2181

Ion Ratio Lower Upper

42 100

72 16.7 39.7 59.5#

71 30.2 36.6 55.0#



#31

Cyclohexane

Concen: 1.200 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073945.D

Acq: 16 Aug 2022 13:44

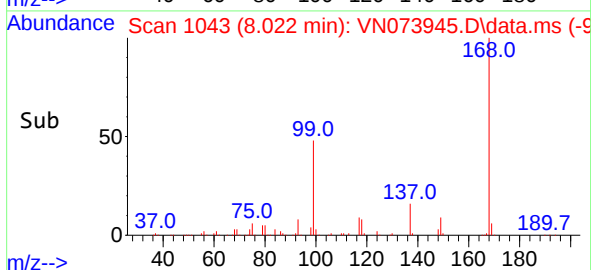
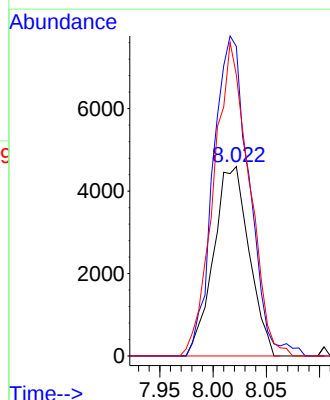
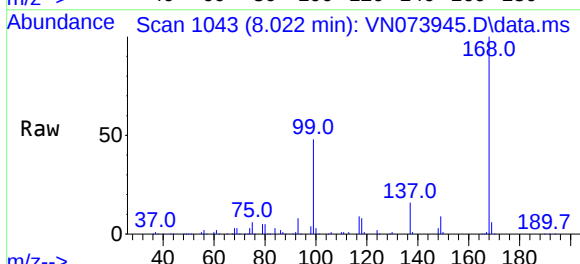
Tgt Ion: 56 Resp: 10660

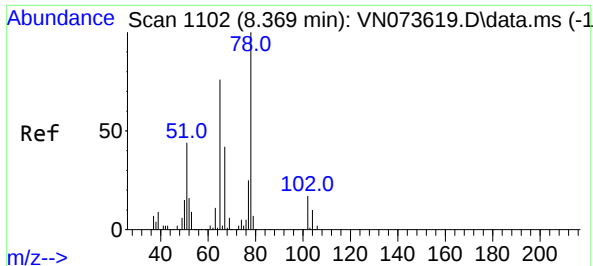
Ion Ratio Lower Upper

56 100

69 163.4 27.8 41.8#

84 148.3 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.484 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073945.D

Acq: 16 Aug 2022 13:44

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ClientSampleId :

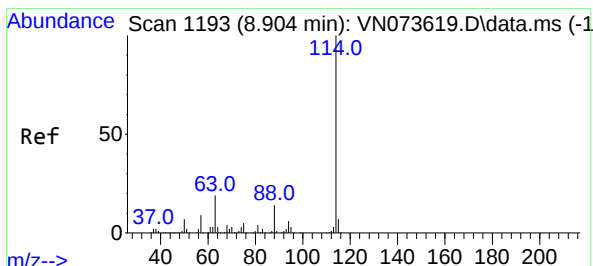
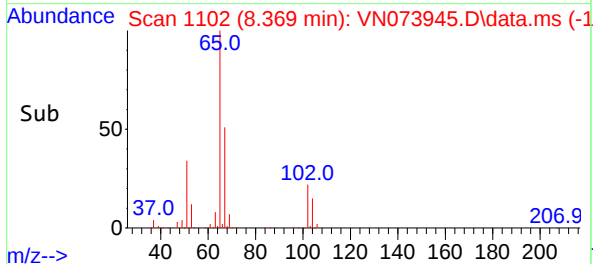
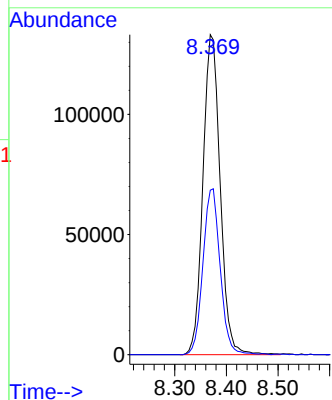
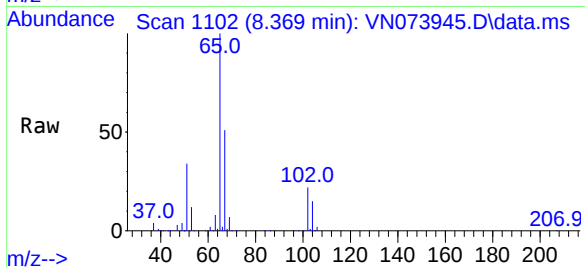
PB146976ZHE#01

Tgt Ion: 65 Resp: 308859

Ion Ratio Lower Upper

65 100

67 51.7 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: VN073945.D

Acq: 16 Aug 2022 13:44

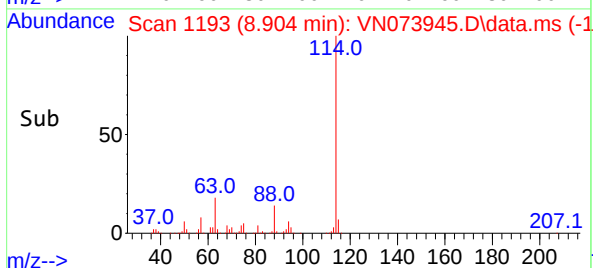
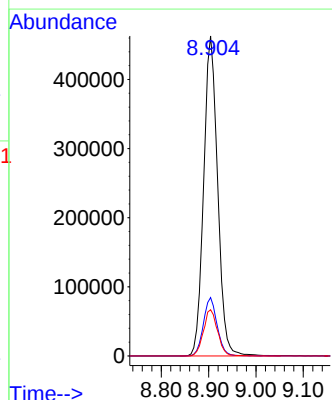
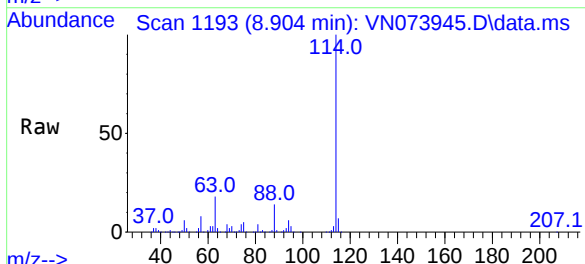
Tgt Ion: 114 Resp: 948517

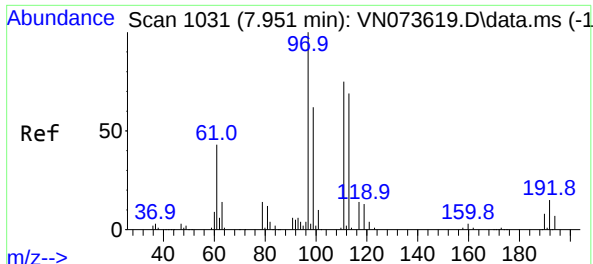
Ion Ratio Lower Upper

114 100

63 18.2 0.0 40.0

88 14.4 0.0 32.6

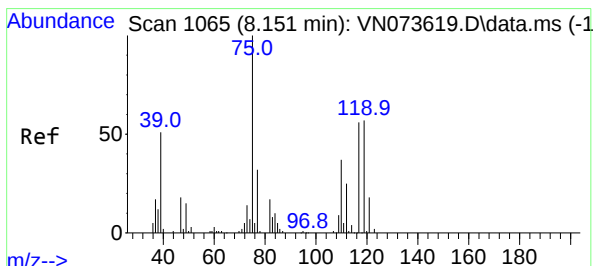
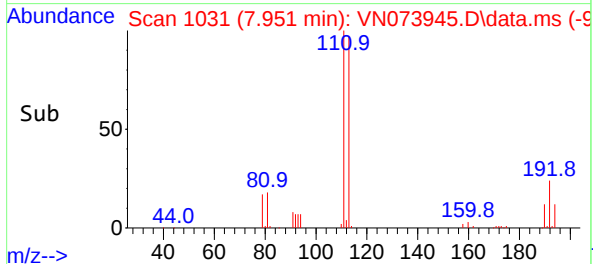
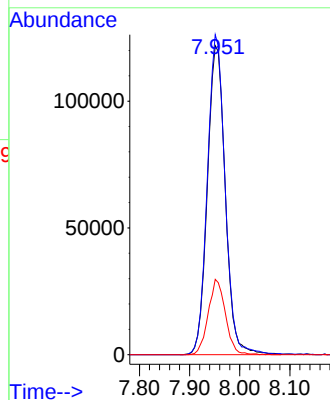
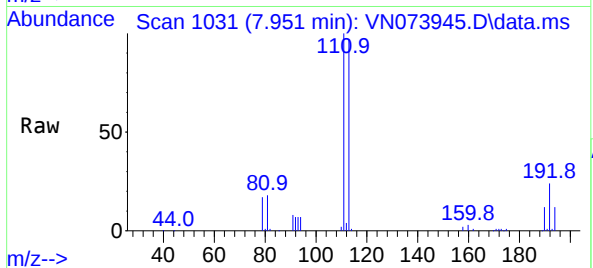




#35
Dibromofluoromethane
Concen: 54.016 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

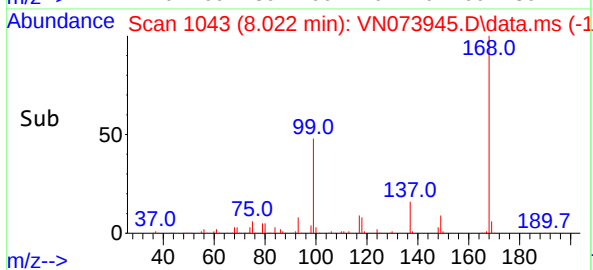
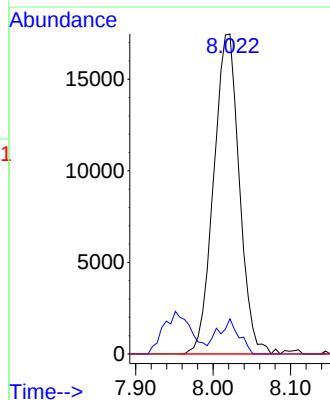
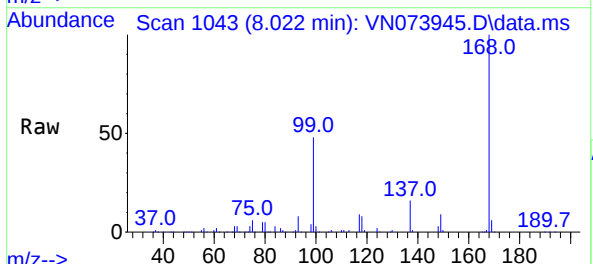
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#01

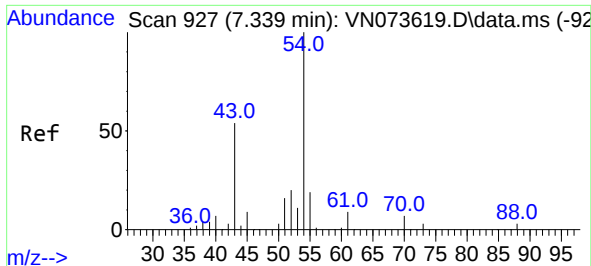
Tgt Ion:113 Resp: 303001
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 23.4 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.181 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

Tgt Ion: 75 Resp: 40363
Ion Ratio Lower Upper
75 100
110 8.9 18.3 54.8#
77 0.0 25.1 37.7#

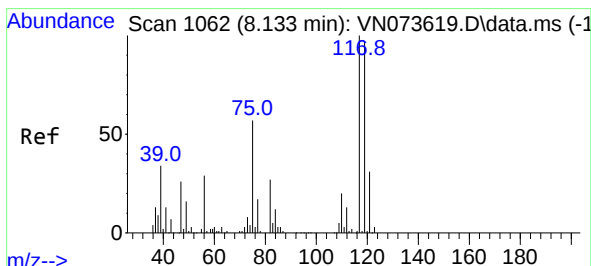
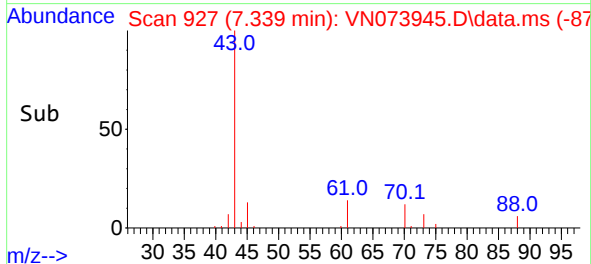
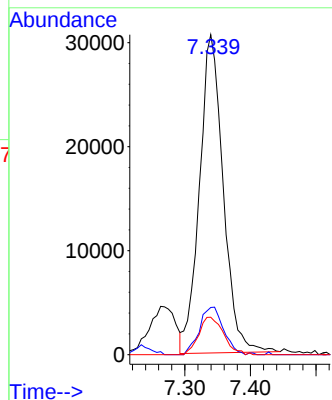
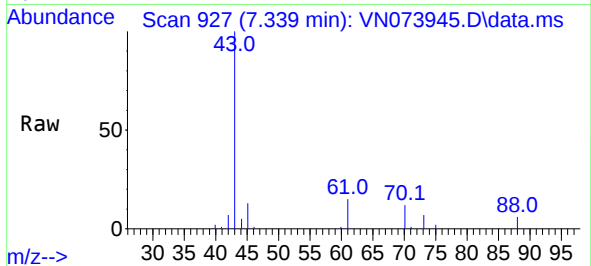




#37
Ethyl Acetate
Concen: 8.173 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

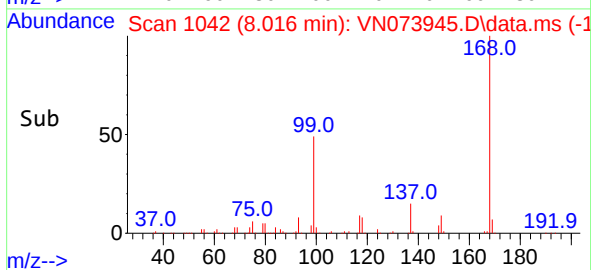
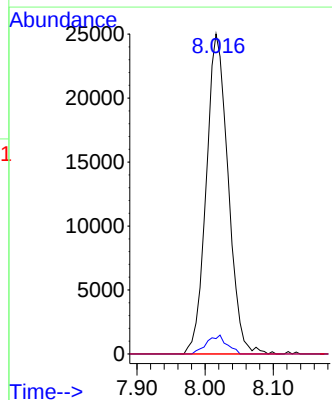
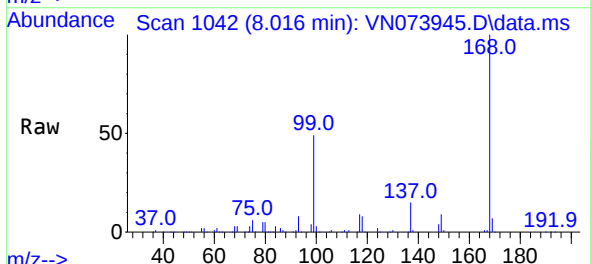
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#01

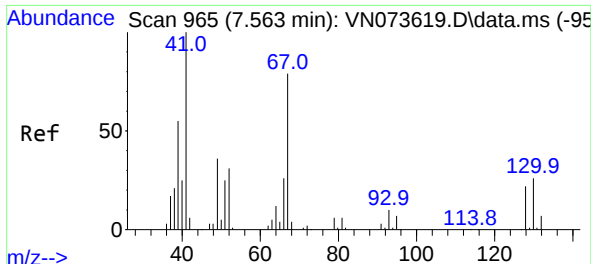
Tgt Ion:	43	Resp:	77142
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	12.3	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.277 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

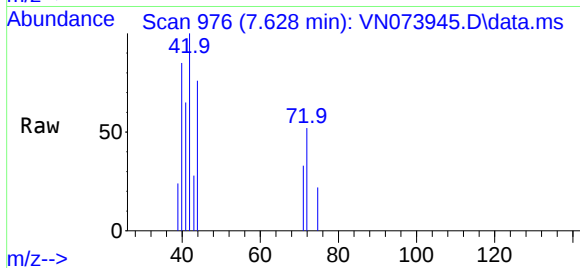
Tgt Ion:	117	Resp:	55900
Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.8	113.8#
121	0.0	24.6	37.0#



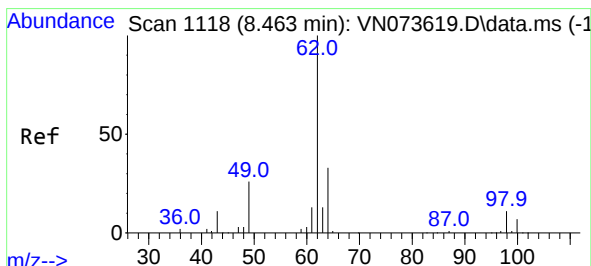
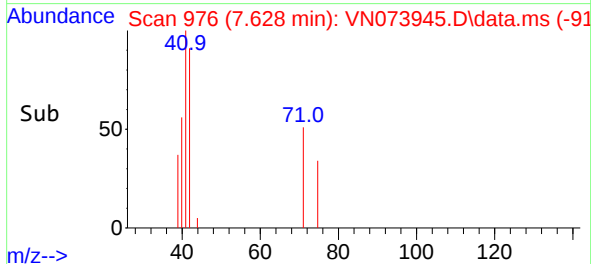
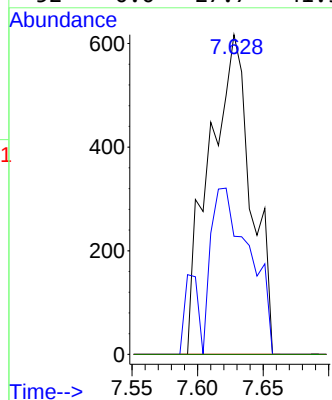


#41
Methacrylonitrile
Concen: 0.321 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#01

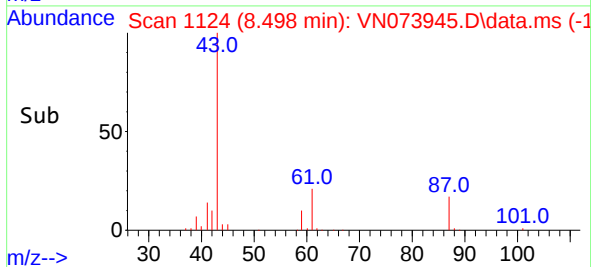
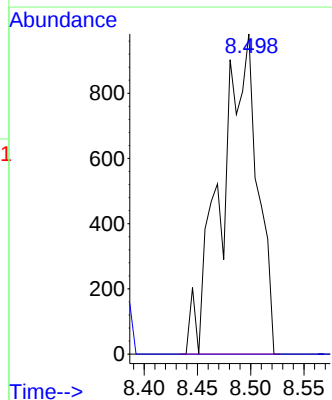
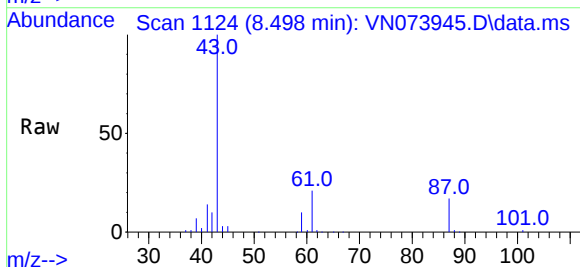


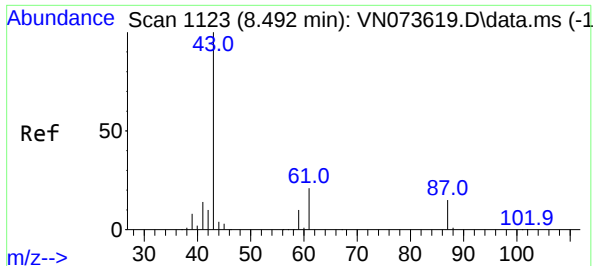
Tgt Ion:	41	Resp:	1369
Ion	Ratio	Lower	Upper
41	100		
39	55.9	48.6	73.0
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#42
1,2-Dichloroethane
Concen: 0.277 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.035 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

Tgt Ion:	62	Resp:	2345
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.4

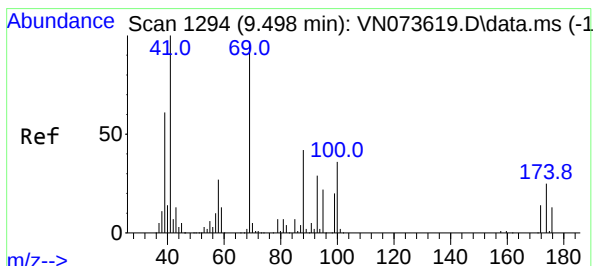
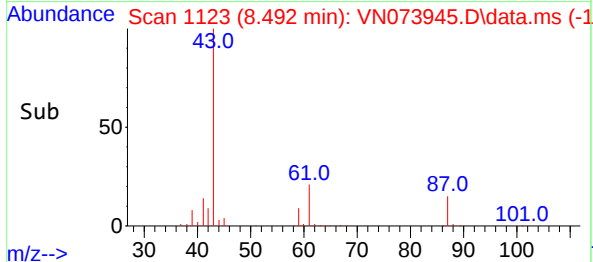
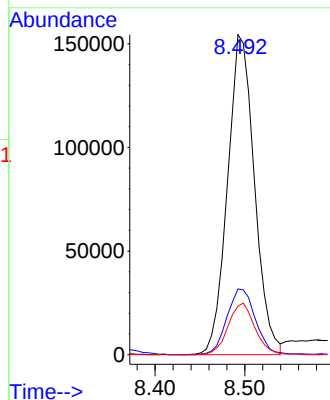
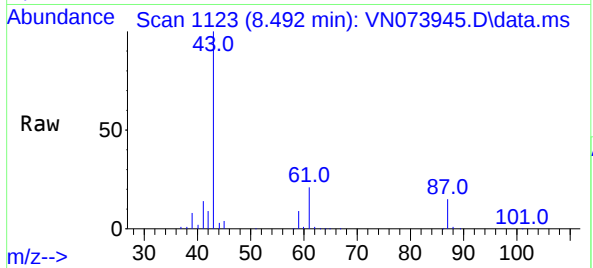




#43
Isopropyl Acetate
Concen: 23.951 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

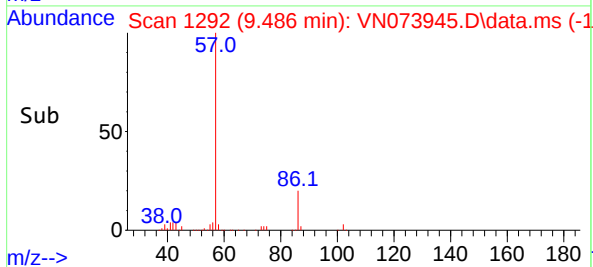
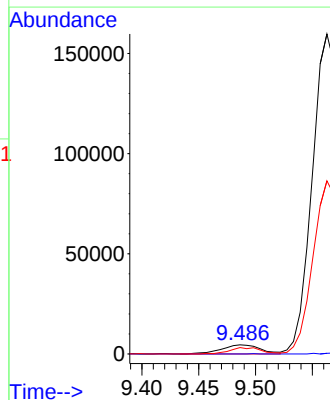
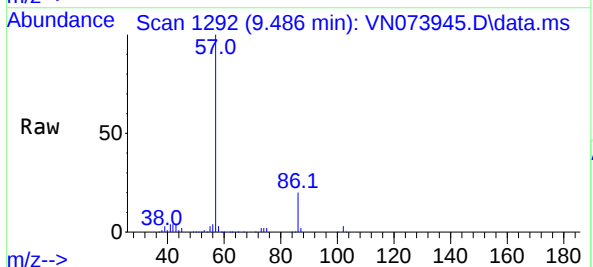
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#01

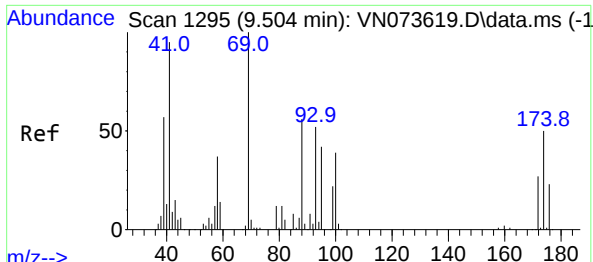
Tgt Ion: 43 Resp: 322060
Ion Ratio Lower Upper
43 100
61 21.9 21.9 32.9
87 16.0 12.0 18.0



#48
Methyl methacrylate
Concen: 1.898 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

Tgt Ion: 41 Resp: 10920
Ion Ratio Lower Upper
41 100
69 0.5 74.7 112.1#
39 56.9 45.6 68.4

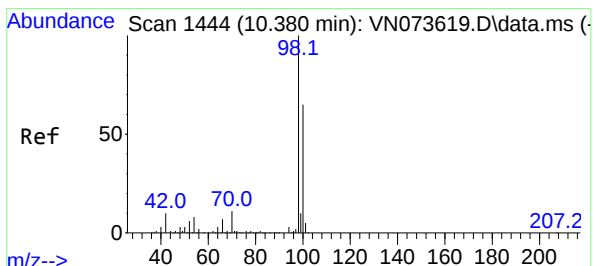
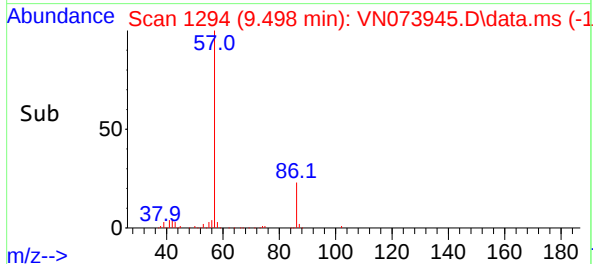
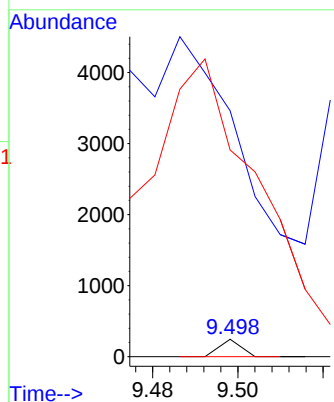
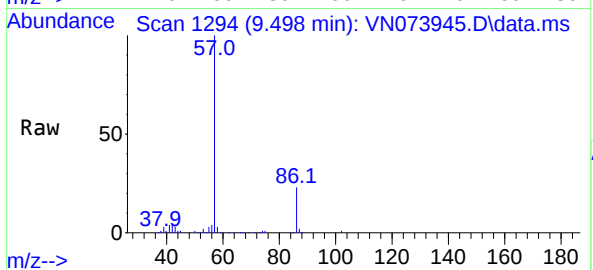




#49
1,4-Dioxane
Concen: 0.508 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

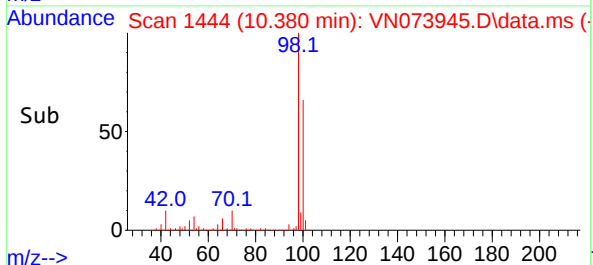
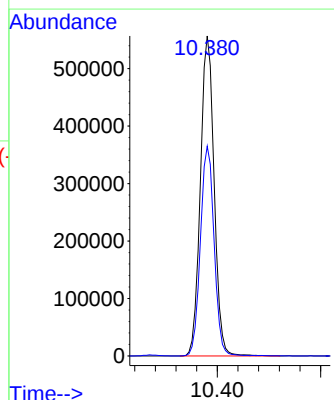
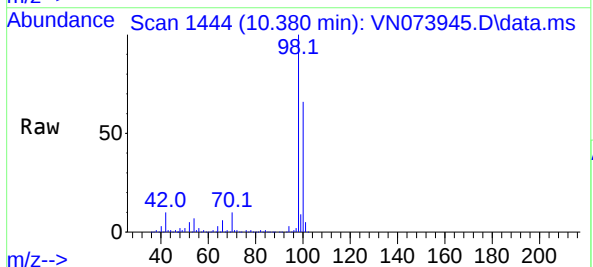
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#01

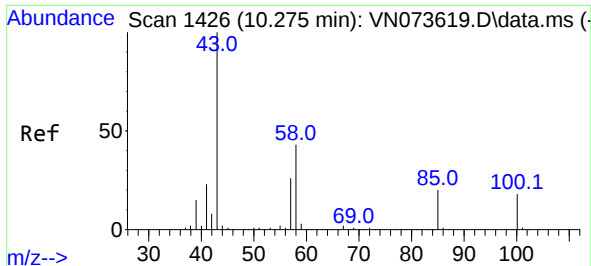
Tgt Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 9781.6 54.2 81.4#



#50
Toluene-d8
Concen: 47.229 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

Tgt Ion: 98 Resp: 1026049
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.723 ug/l

RT: 10.269 min Scan# 1425

Delta R.T. -0.006 min

Lab File: VN073945.D

Acq: 16 Aug 2022 13:44

Instrument :

MSVOA_N

ClientSampleId :

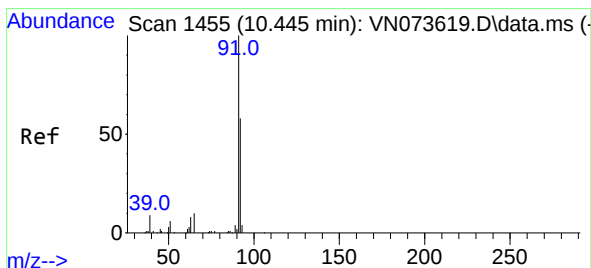
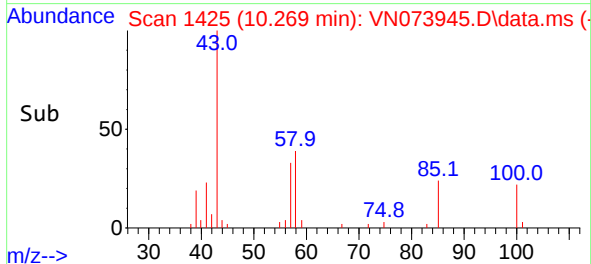
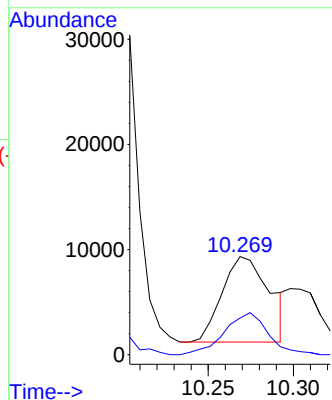
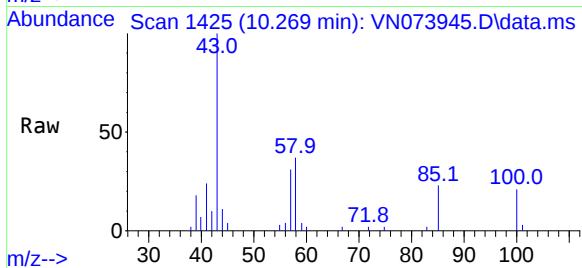
PB146976ZHE#01

Tgt Ion: 43 Resp: 15663

Ion Ratio Lower Upper

43 100

58 45.4 34.1 51.1



#52

Toluene

Concen: 0.207 ug/l

RT: 10.439 min Scan# 1454

Delta R.T. -0.006 min

Lab File: VN073945.D

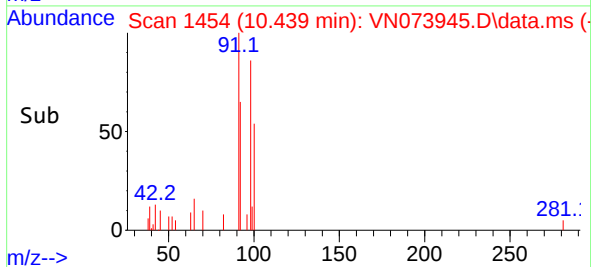
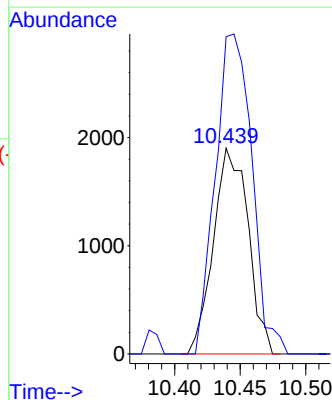
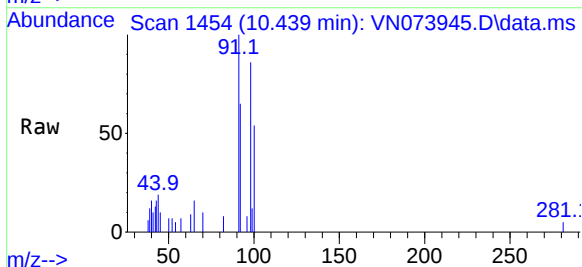
Acq: 16 Aug 2022 13:44

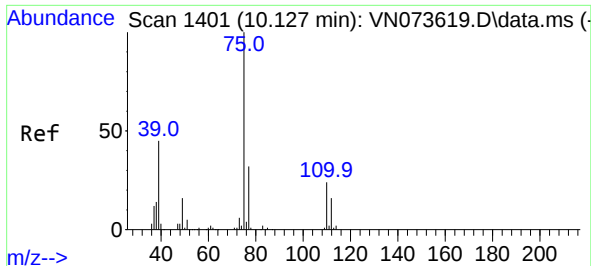
Tgt Ion: 92 Resp: 3498

Ion Ratio Lower Upper

92 100

91 164.2 138.6 207.8

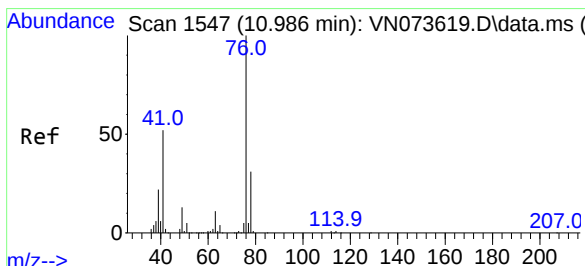
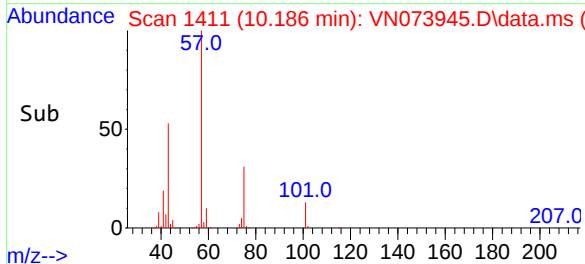
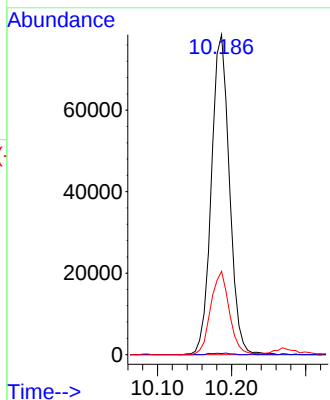
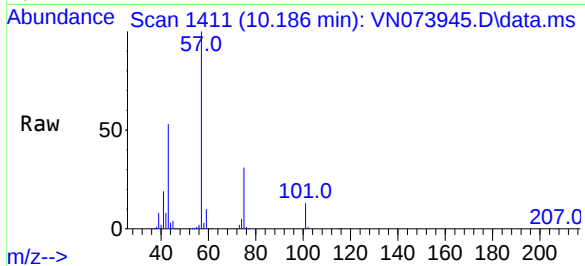




#54
 cis-1,3-Dichloropropene
 Concen: 13.510 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073945.D
 Acq: 16 Aug 2022 13:44

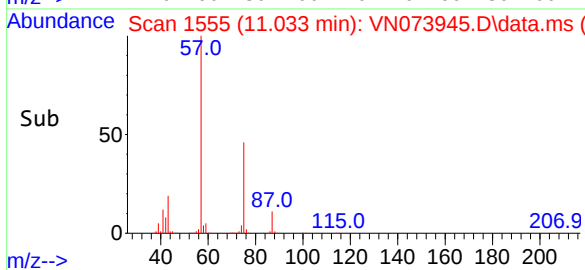
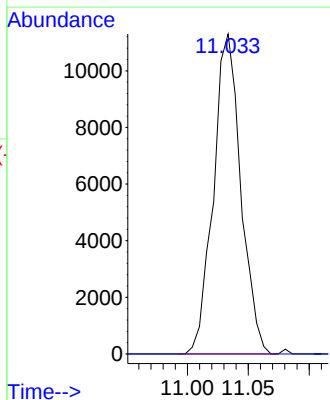
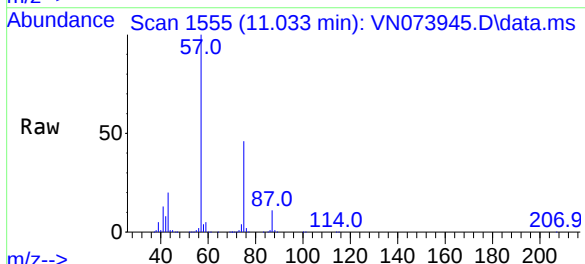
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#01

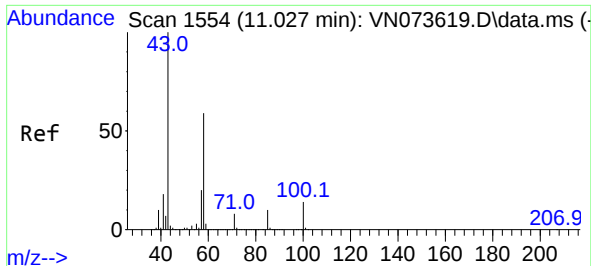
Tgt Ion: 75 Resp: 132854
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.2 37.8#
 39 26.0 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.659 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073945.D
 Acq: 16 Aug 2022 13:44

Tgt Ion: 76 Resp: 17692
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

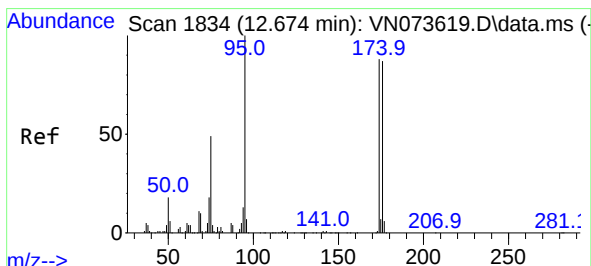
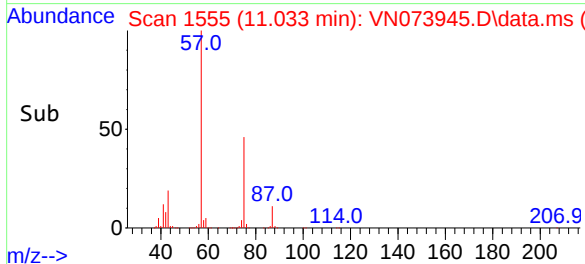
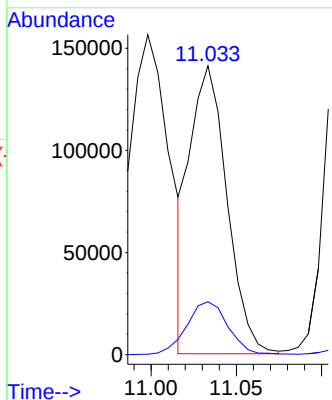
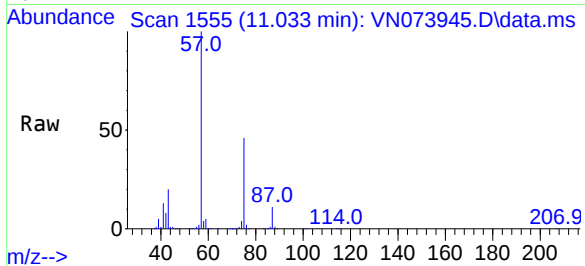




#59
2-Hexanone
Concen: 30.618 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

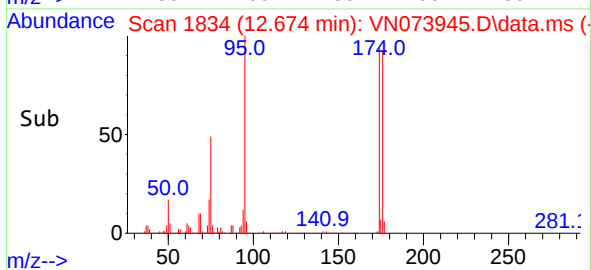
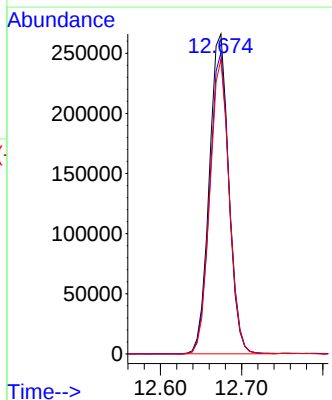
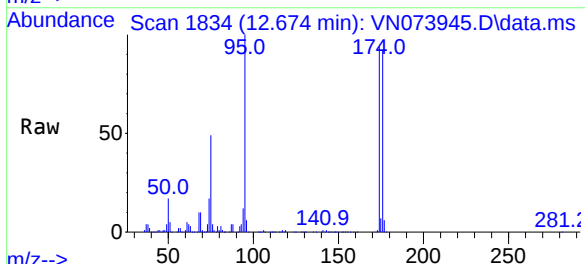
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#01

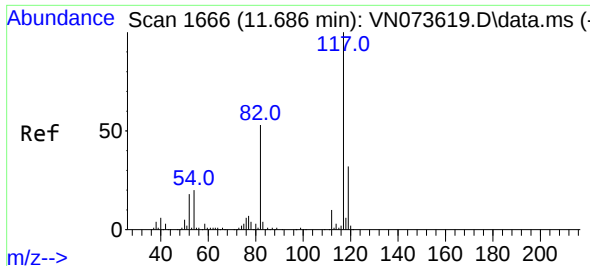
Tgt Ion: 43 Resp: 214226
Ion Ratio Lower Upper
43 100
58 20.7 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 61.187 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

Tgt Ion: 95 Resp: 441160
Ion Ratio Lower Upper
95 100
174 94.5 0.0 167.6
176 91.6 0.0 163.4

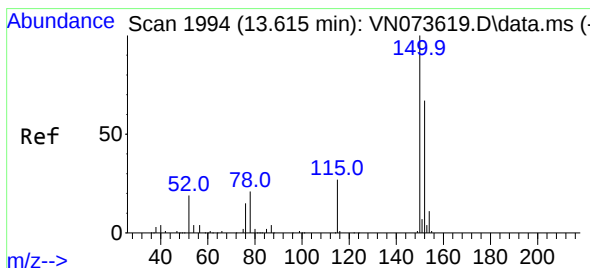
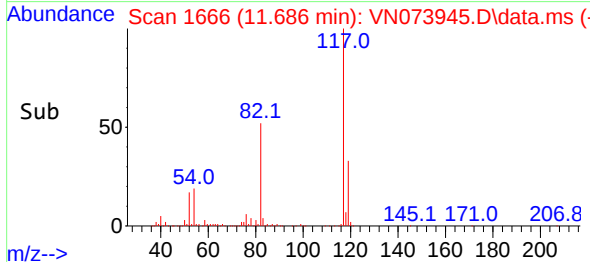
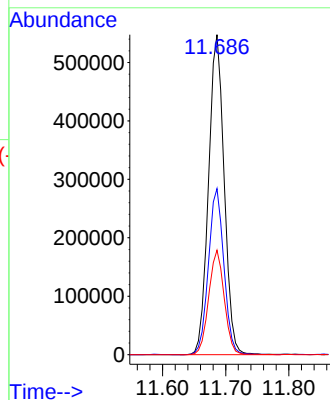
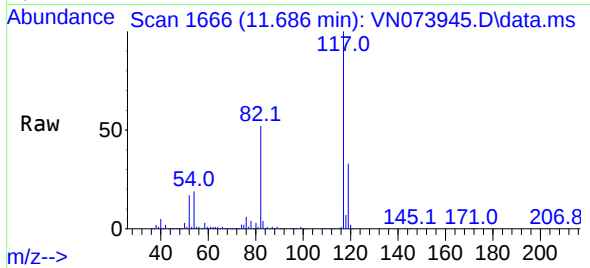




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

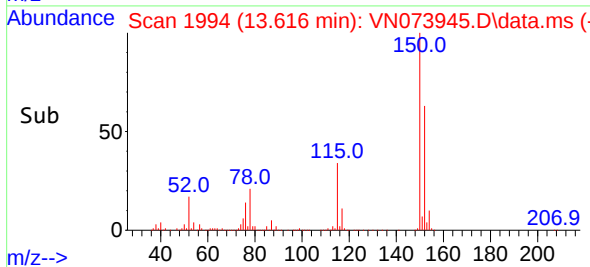
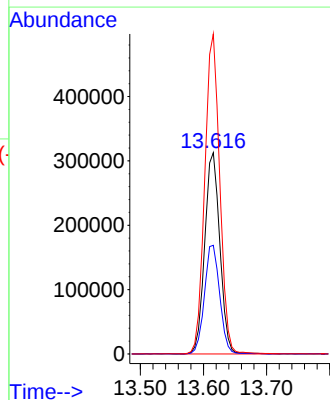
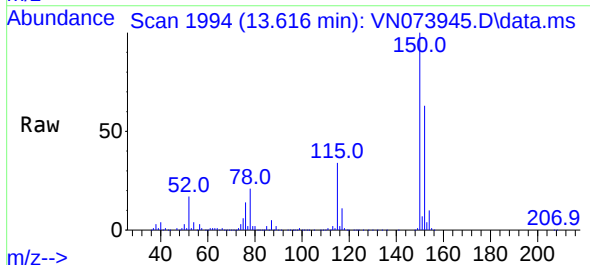
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#01

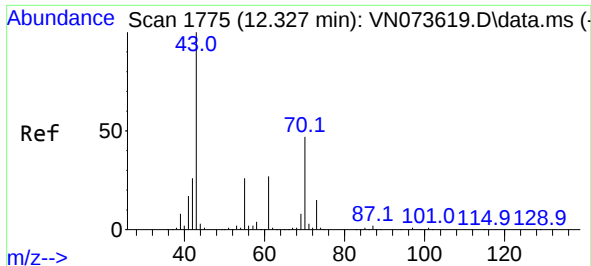
Tgt Ion:117 Resp: 942304
Ion Ratio Lower Upper
117 100
82 51.9 44.2 66.2
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

Tgt Ion:152 Resp: 521454
Ion Ratio Lower Upper
152 100
115 54.7 28.9 86.7
150 157.0 0.0 356.2

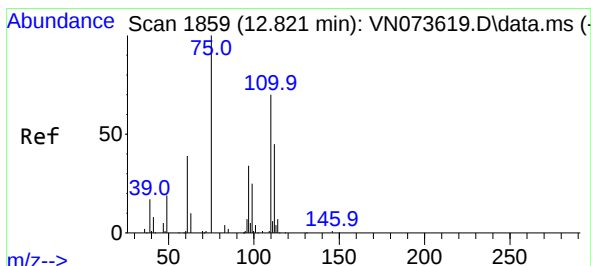
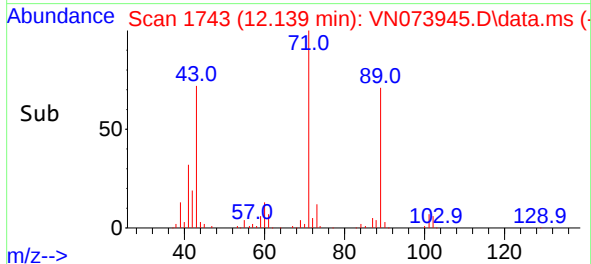
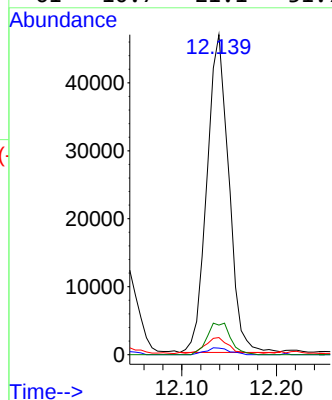
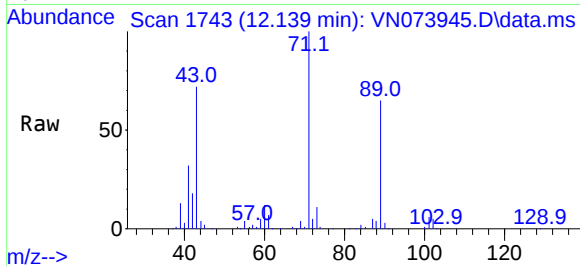




#74
N-amy1 acetate
Concen: 5.225 ug/l
RT: 12.139 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

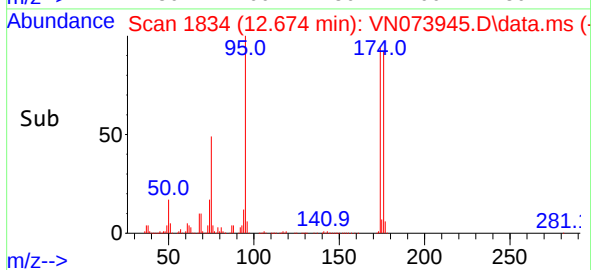
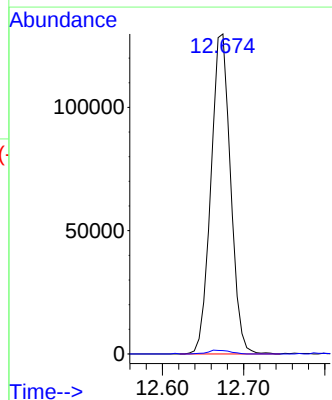
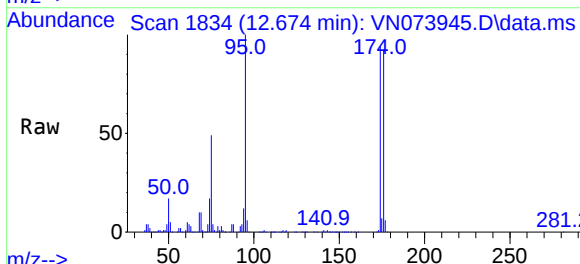
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#01

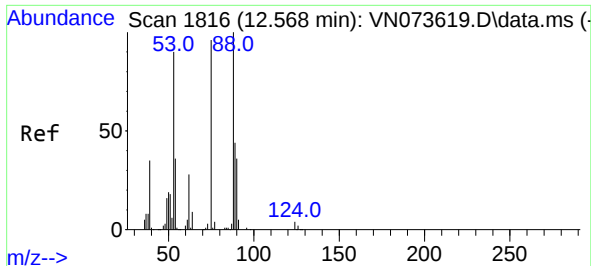
Tgt Ion:	43	Resp:	74998
Ion	Ratio	Lower	Upper
43	100		
70	2.4	39.0	58.4#
55	5.3	21.1	31.7#
61	10.7	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 20.116 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073945.D
Acq: 16 Aug 2022 13:44

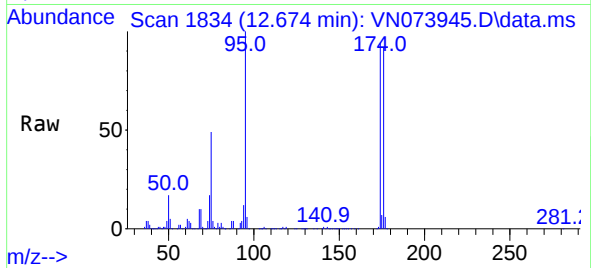
Tgt Ion:	75	Resp:	218027
Ion	Ratio	Lower	Upper
75	100		
77	1.3	98.5	295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.214 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073945.D
 Acq: 16 Aug 2022 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#01



Tgt Ion: 75 Resp: 218027
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

