

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081922\
 Data File : VN074032.D
 Acq On : 19 Aug 2022 17:27
 Operator : JC\MD
 Sample : PB147119ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147119ZHE#03

Quant Time: Aug 20 03:06:17 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)

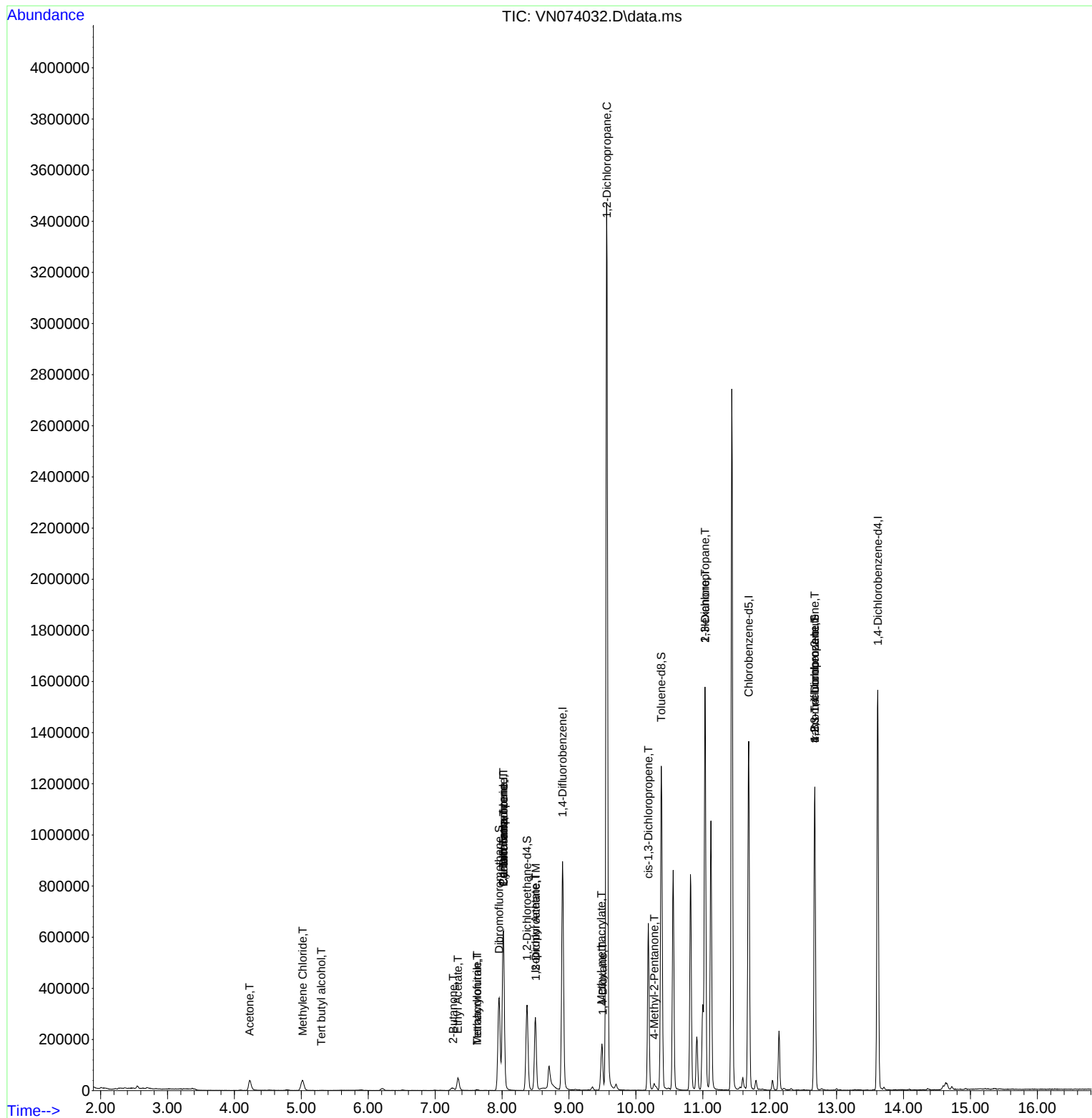
Internal Standards						
1) Pentafluorobenzene	8.022	168	527658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	830824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	841700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	461556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	279774	54.437	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 108.880%		
35) Dibromofluoromethane	7.957	113	267198	54.381	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 108.760%		
50) Toluene-d8	10.380	98	907428	47.686	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.380%		
62) 4-Bromofluorobenzene	12.674	95	392535	62.155	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 124.300%#		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.298	59	1235	1.074	ug/l #	72
16) Acetone	4.228	43	72908	30.069	ug/l	100
18) Methyl Acetate	4.781	43	5239	Below Cal	#	88
20) Methylene Chloride	5.022	84	35728	6.983	ug/l	98
25) 2-Butanone	7.269	43	12075	3.141	ug/l	92
29) Tetrahydrofuran	7.628	42	2165	0.878	ug/l #	64
31) Cyclohexane	8.022	56	8789	1.227	ug/l #	16
36) 1,1-Dichloropropene	8.022	75	34478	5.052	ug/l #	48
37) Ethyl Acetate	7.339	43	74151	8.969	ug/l	99
38) Carbon Tetrachloride	8.022	117	47325	6.067	ug/l #	16
41) Methacrylonitrile	7.628	41	1553	0.416	ug/l #	32
42) 1,2-Dichloroethane	8.504	62	2148	0.290	ug/l #	74
43) Isopropyl Acetate	8.498	43	311719	26.466	ug/l	93
45) 1,2-Dichloropropane	9.569	63	4438	0.860	ug/l #	44
48) Methyl methacrylate	9.486	41	10717	2.126	ug/l #	36
49) 1,4-Dioxane	9.504	88	74	0.494	ug/l #	1
51) 4-Methyl-2-Pentanone	10.275	43	26736	3.357	ug/l #	72
54) cis-1,3-Dichloropropene	10.186	75	124532	14.458	ug/l #	60
57) 1,3-Dichloropropane	11.033	76	16833	1.802	ug/l #	42
59) 2-Hexanone	11.033	43	208787	34.068	ug/l #	49
76) 1,2,3-Trichloropropane	12.674	75	190871	19.896	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	190871	56.588	ug/l #	10

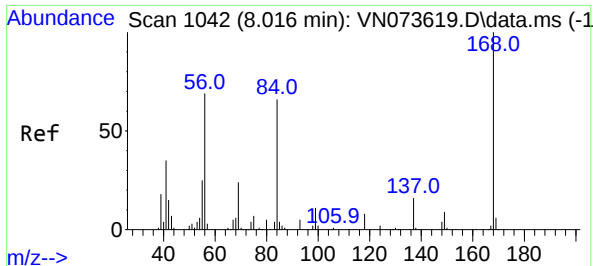
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration

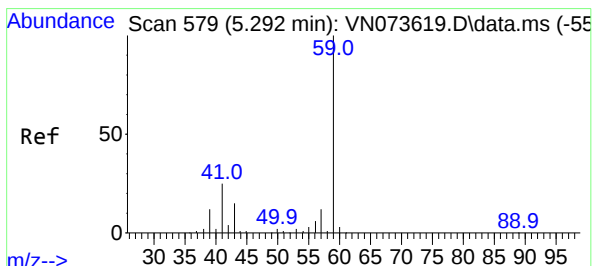
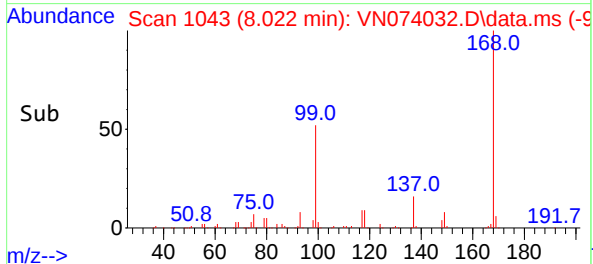
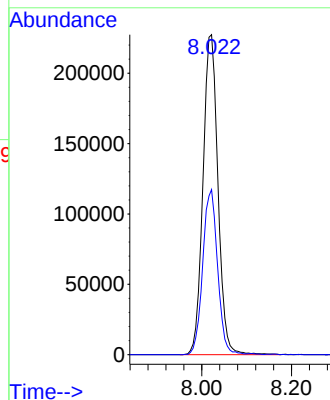
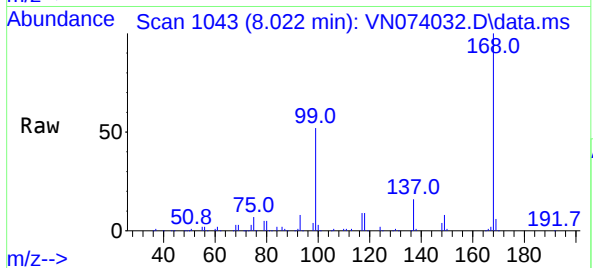




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

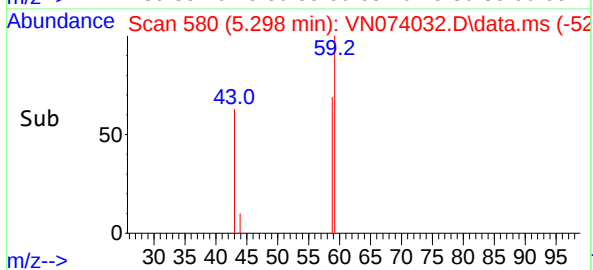
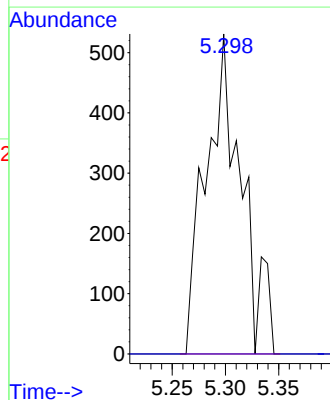
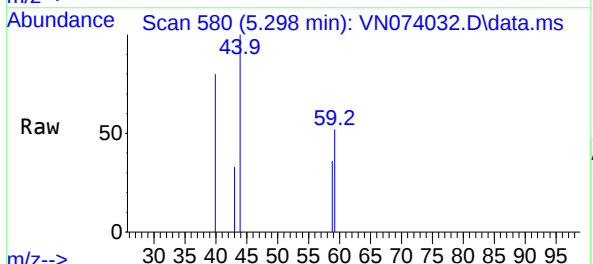
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#03

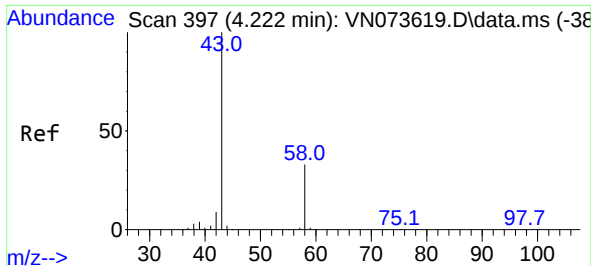
Tgt Ion:168 Resp: 527658
Ion Ratio Lower Upper
168 100
99 51.6 42.3 63.5



#11
Tert butyl alcohol
Concen: 1.074 ug/l
RT: 5.298 min Scan# 580
Delta R.T. 0.006 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

Tgt Ion: 59 Resp: 1235
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

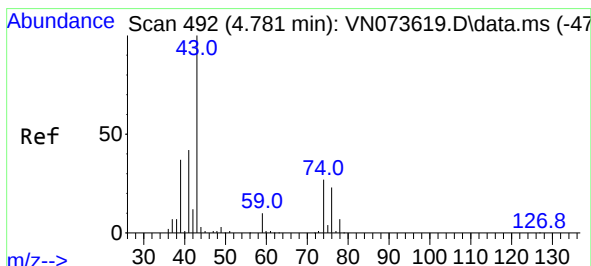
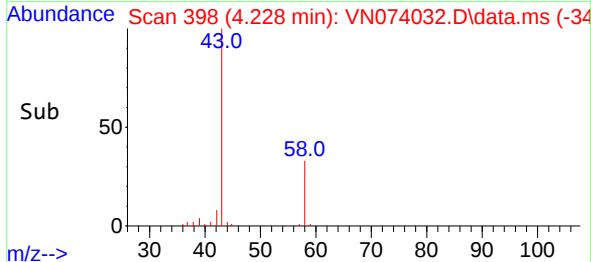
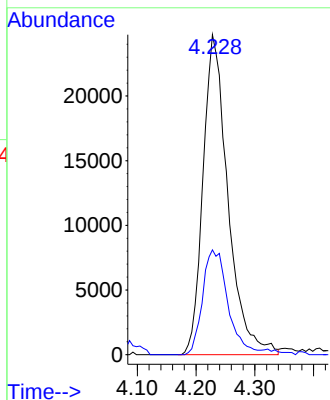
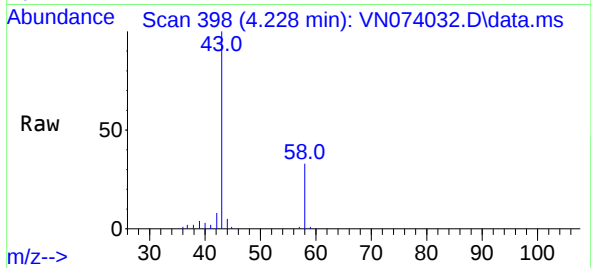




#16
Acetone
Concen: 30.069 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

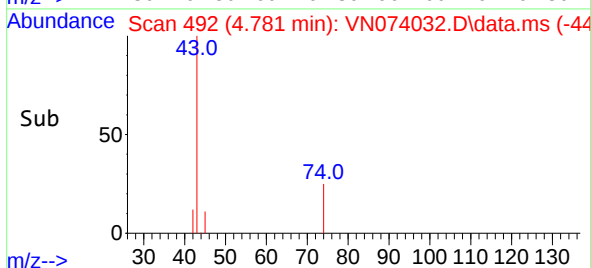
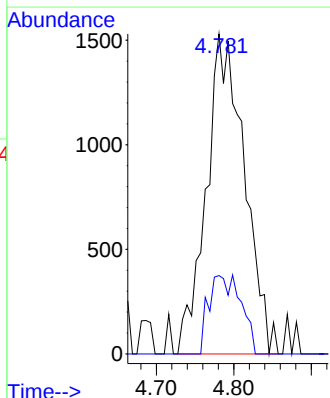
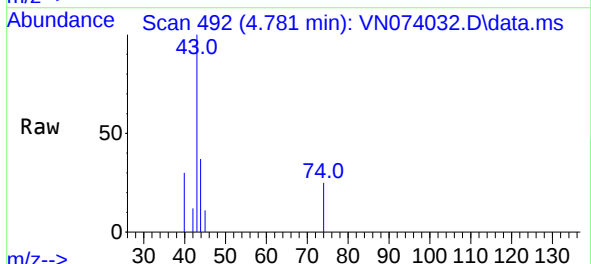
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#03

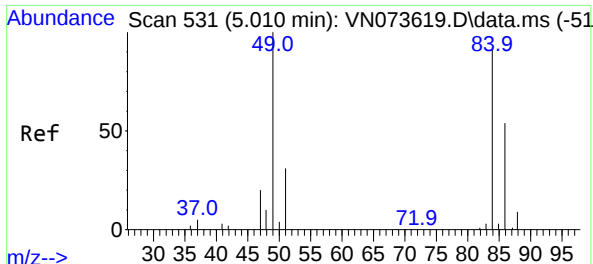
Tgt Ion: 43 Resp: 72908
Ion Ratio Lower Upper
43 100
58 32.7 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

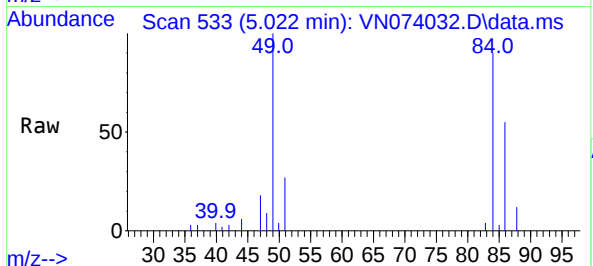
Tgt Ion: 43 Resp: 5239
Ion Ratio Lower Upper
43 100
74 20.8 21.6 32.4#





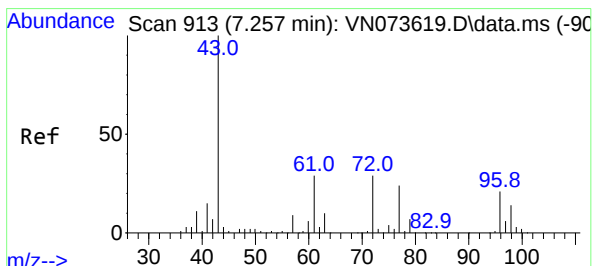
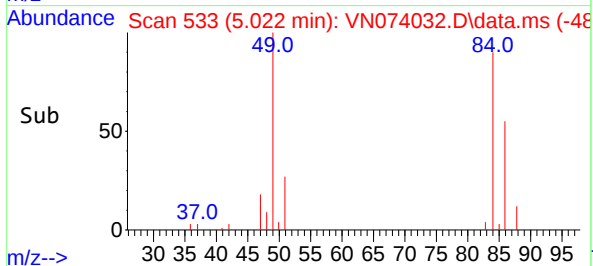
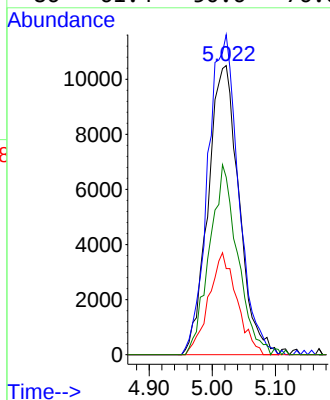
#20
Methylene Chloride
Concen: 6.983 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#03



Tgt Ion: 84 Resp: 35728

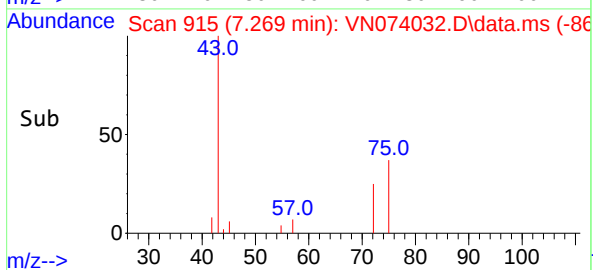
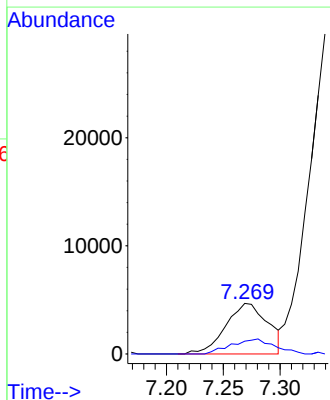
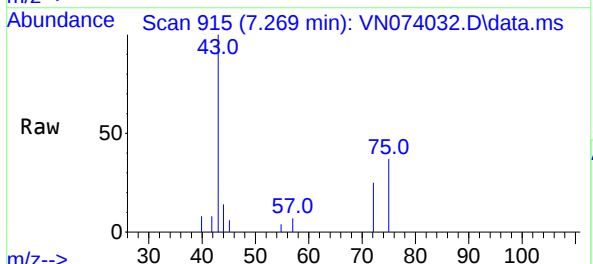
Ion	Ratio	Lower	Upper
84	100		
49	110.7	88.3	132.5
51	29.8	28.2	42.2
86	61.4	50.6	76.0

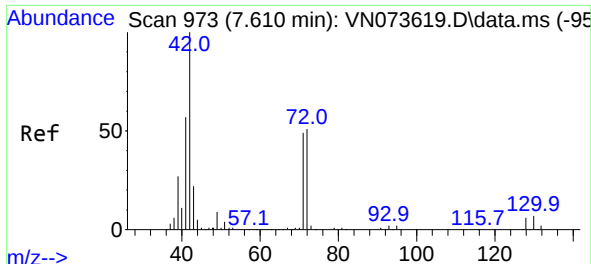


#25
2-Butanone
Concen: 3.141 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

Tgt Ion: 43 Resp: 12075

Ion	Ratio	Lower	Upper
43	100		
72	25.2	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.878 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN074032.D

Acq: 19 Aug 2022 17:27

Instrument :

MSVOA_N

ClientSampleId :

PB147119ZHE#03

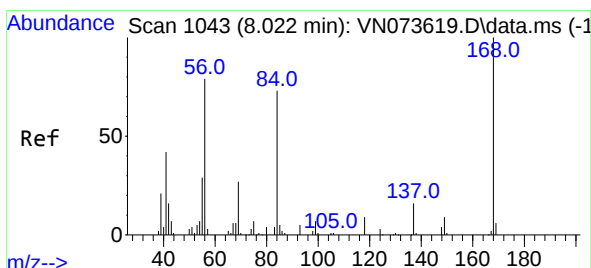
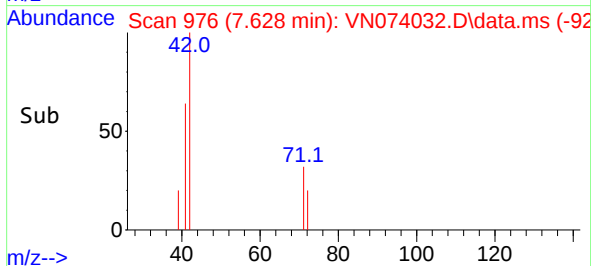
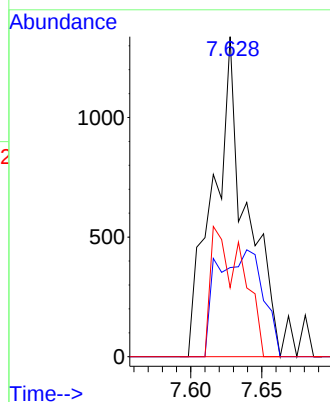
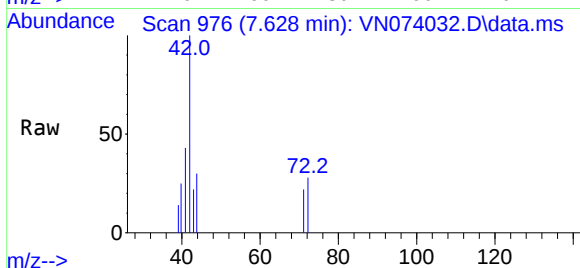
Tgt Ion: 42 Resp: 2165

Ion Ratio Lower Upper

42 100

72 45.8 39.7 59.5

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.227 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN074032.D

Acq: 19 Aug 2022 17:27

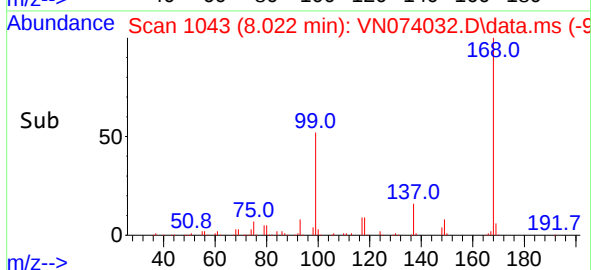
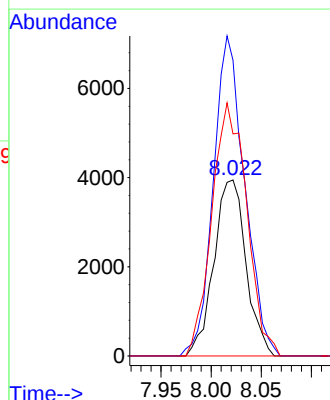
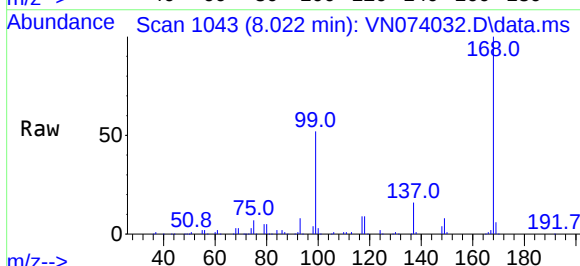
Tgt Ion: 56 Resp: 8789

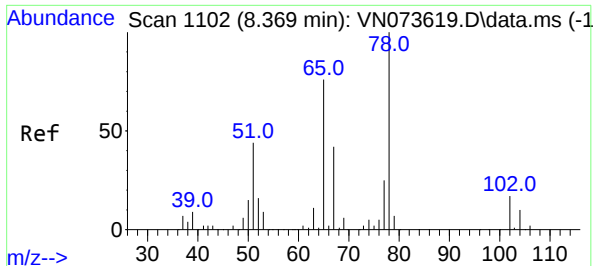
Ion Ratio Lower Upper

56 100

69 168.0 27.8 41.8#

84 126.2 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 54.437 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074032.D

Acq: 19 Aug 2022 17:27

Instrument :

MSVOA_N

ClientSampleId :

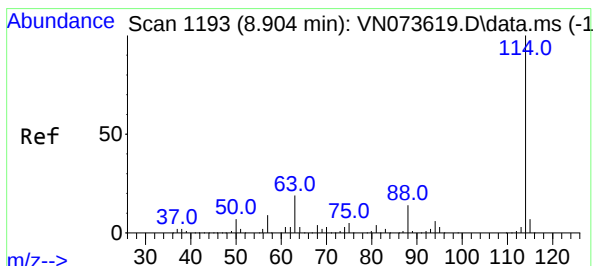
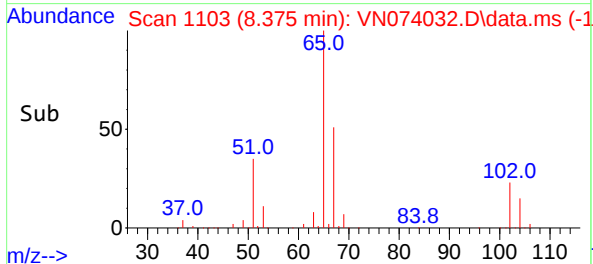
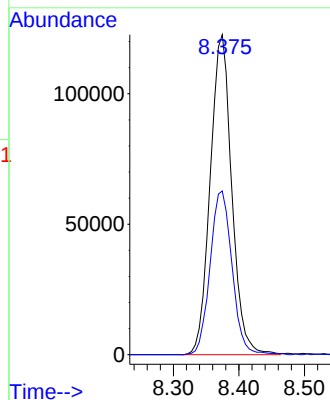
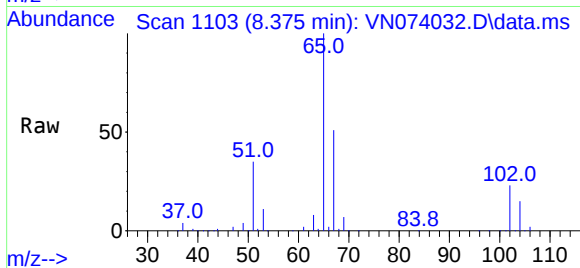
PB147119ZHE#03

Tgt Ion: 65 Resp: 279774

Ion Ratio Lower Upper

65 100

67 52.2 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: VN074032.D

Acq: 19 Aug 2022 17:27

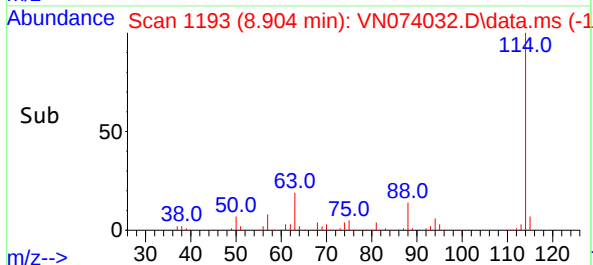
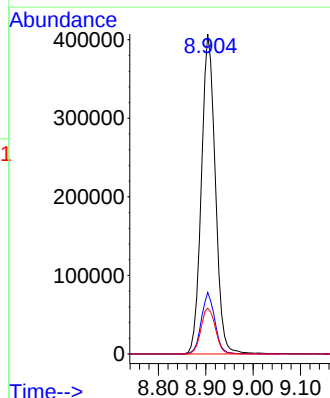
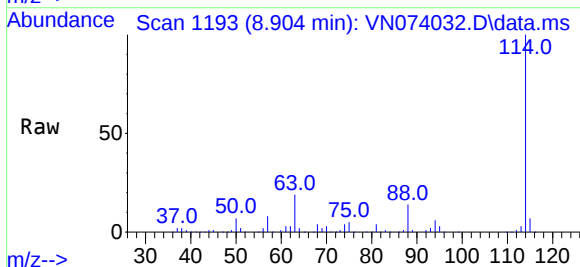
Tgt Ion: 114 Resp: 830824

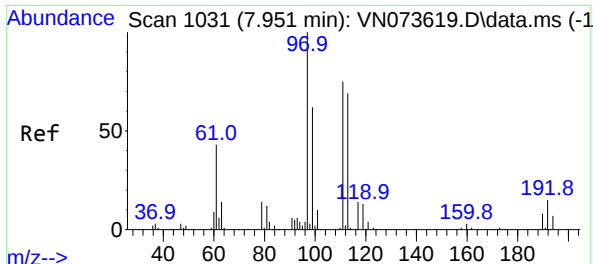
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 14.3 0.0 32.6

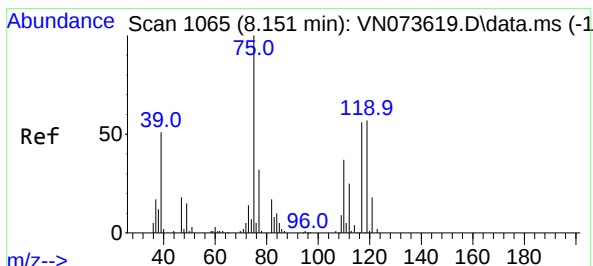
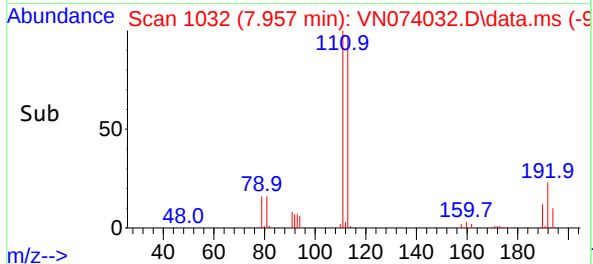
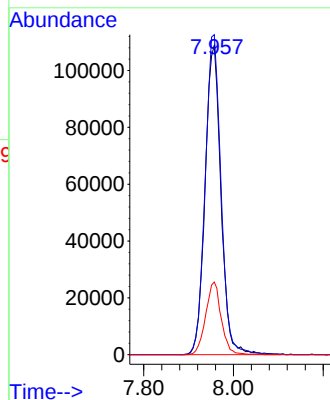
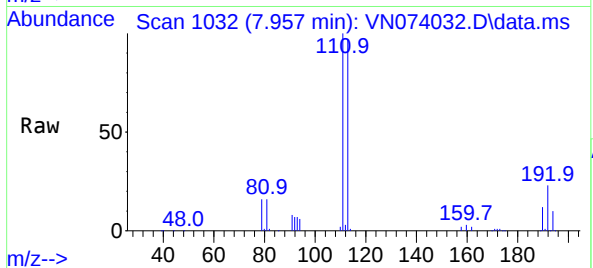




#35
Dibromofluoromethane
Concen: 54.381 ug/l
RT: 7.957 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

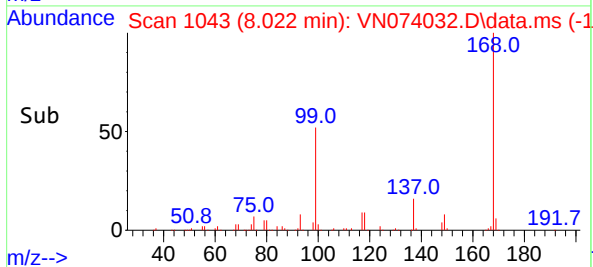
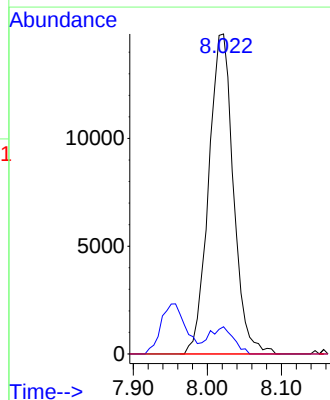
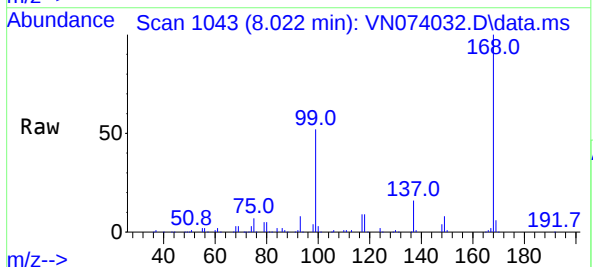
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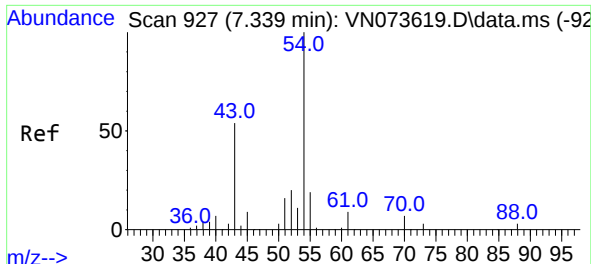
Tgt Ion:113 Resp: 267198
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.0
192 23.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.052 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

Tgt Ion: 75 Resp: 34478
Ion Ratio Lower Upper
75 100
110 8.6 18.3 54.8#
77 0.0 25.1 37.7#

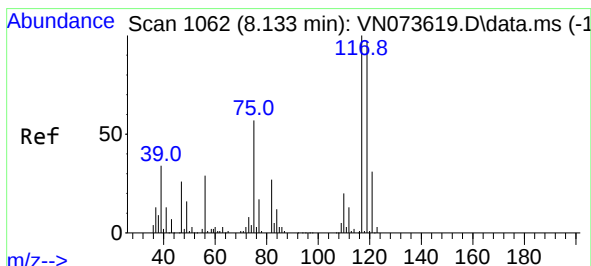
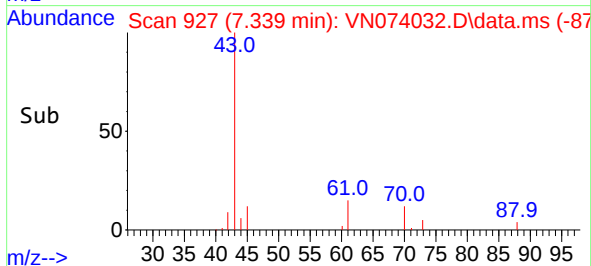
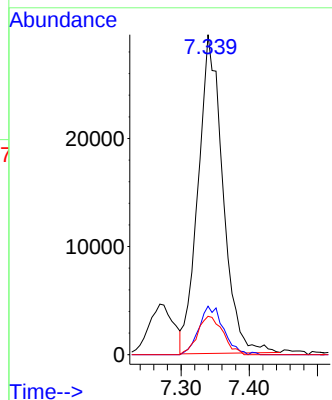
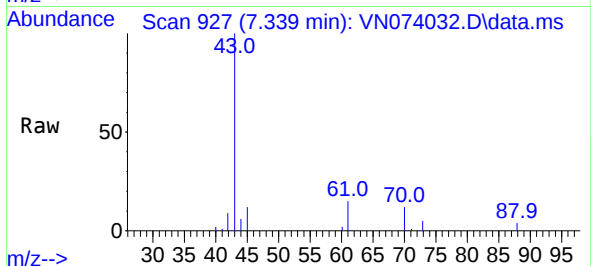




#37
Ethyl Acetate
Concen: 8.969 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

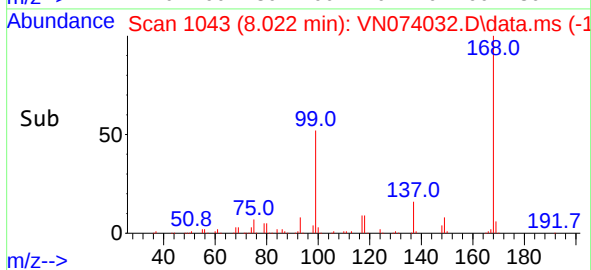
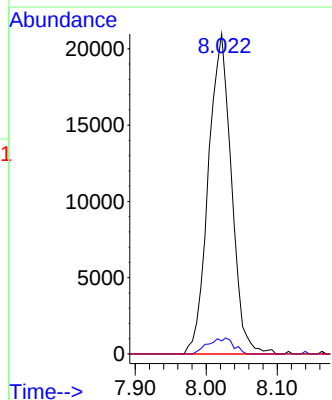
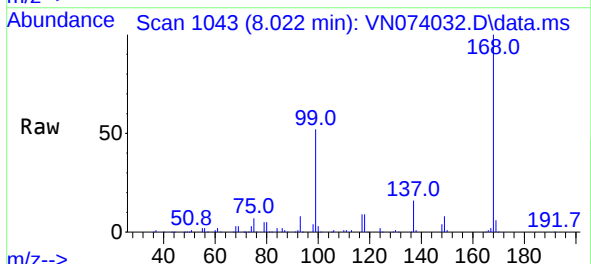
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#03

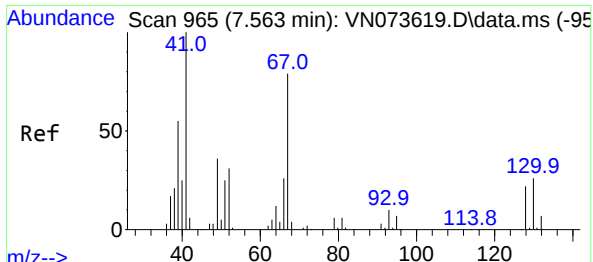
Tgt Ion:	43	Resp:	74151
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	12.4	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.067 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

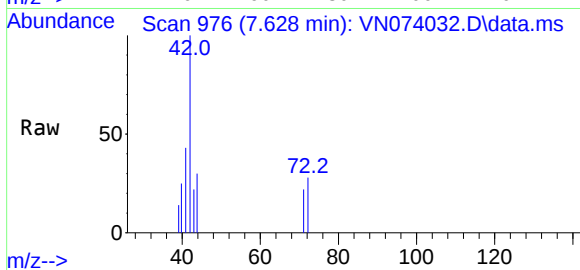
Tgt Ion:	117	Resp:	47325
Ion	Ratio	Lower	Upper
117	100		
119	4.1	75.8	113.8#
121	0.0	24.6	37.0#





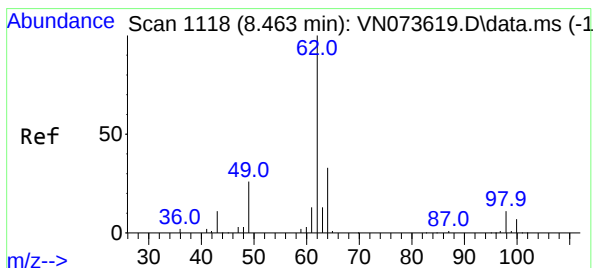
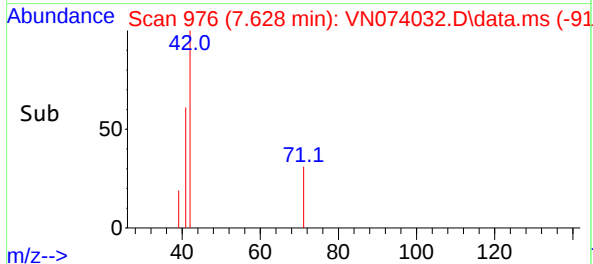
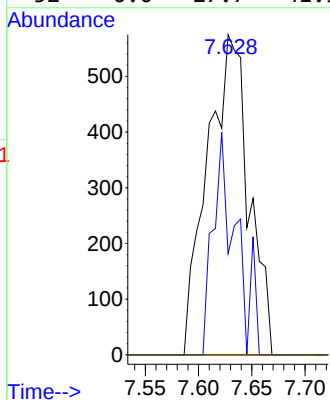
#41
Methacrylonitrile
Concen: 0.416 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#03



Tgt Ion: 41 Resp: 1553

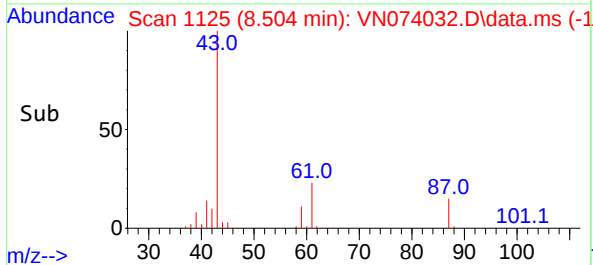
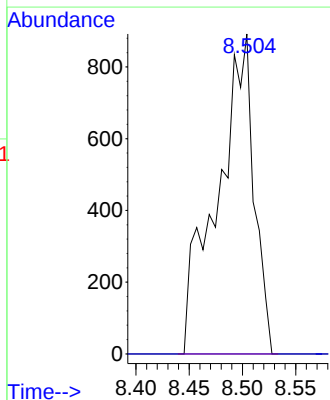
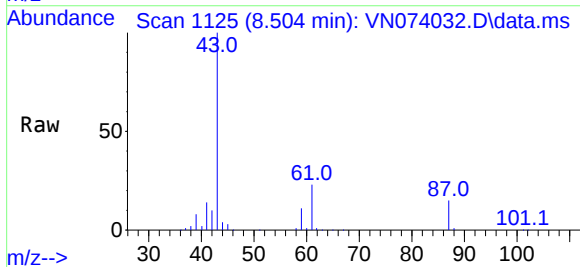
Ion	Ratio	Lower	Upper
41	100		
39	39.0	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#

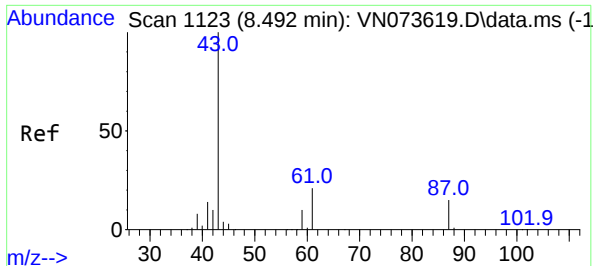


#42
1,2-Dichloroethane
Concen: 0.290 ug/l
RT: 8.504 min Scan# 1125
Delta R.T. 0.041 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

Tgt Ion: 62 Resp: 2148

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.4

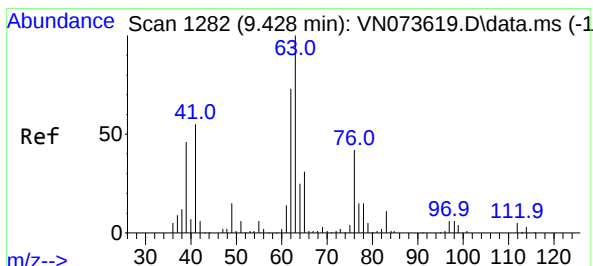
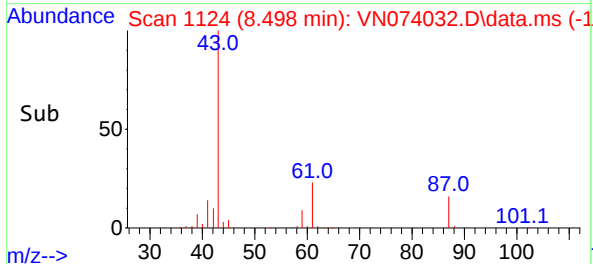
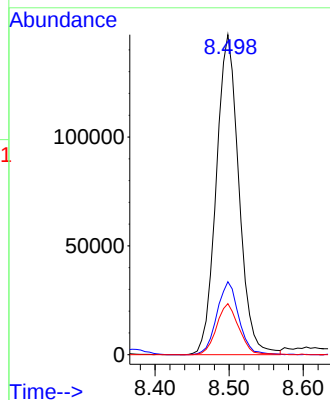
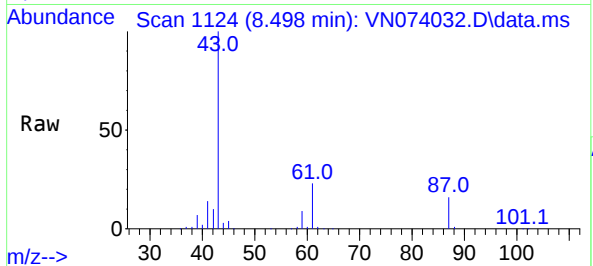




#43
Isopropyl Acetate
Concen: 26.466 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

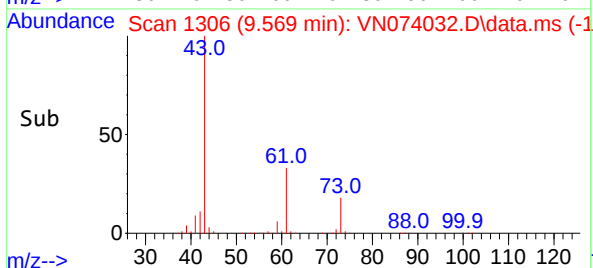
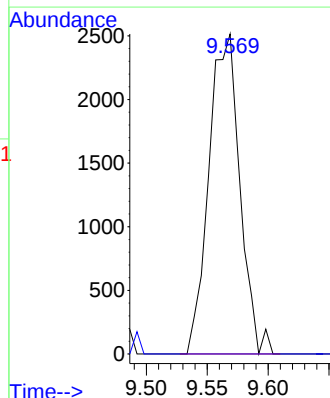
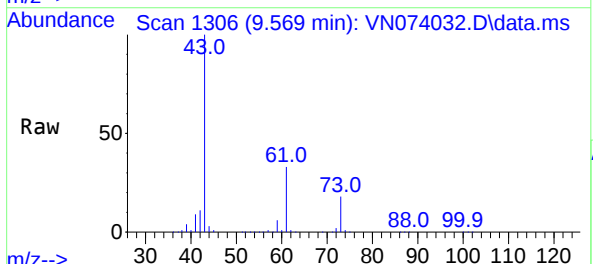
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#03

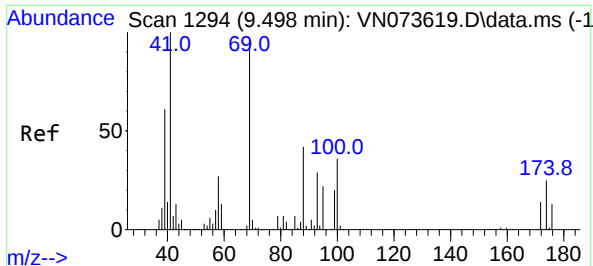
Tgt Ion: 43 Resp: 311719
Ion Ratio Lower Upper
43 100
61 22.1 21.9 32.9
87 15.7 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.860 ug/l
RT: 9.569 min Scan# 1306
Delta R.T. 0.141 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

Tgt Ion: 63 Resp: 4438
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.126 ug/l

RT: 9.486 min Scan# 1294

Delta R.T. -0.012 min

Lab File: VN074032.D

Acq: 19 Aug 2022 17:27

Instrument :

MSVOA_N

ClientSampleId :

PB147119ZHE#03

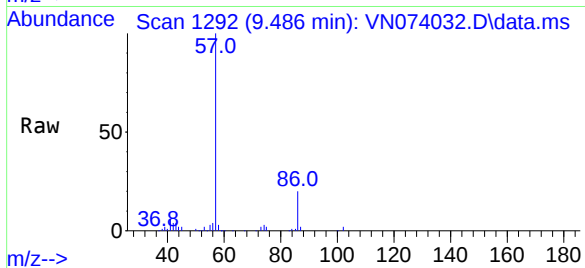
Tgt Ion: 41 Resp: 10717

Ion Ratio Lower Upper

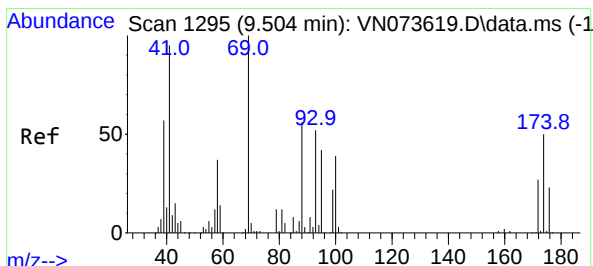
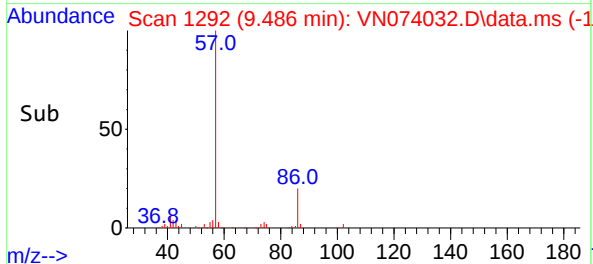
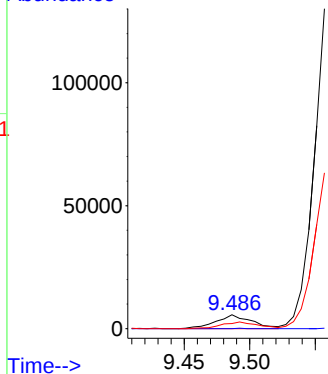
41 100

69 0.7 74.7 112.1#

39 49.3 45.6 68.4



Abundance



#49

1,4-Dioxane

Concen: 0.494 ug/l

RT: 9.504 min Scan# 1295

Delta R.T. 0.000 min

Lab File: VN074032.D

Acq: 19 Aug 2022 17:27

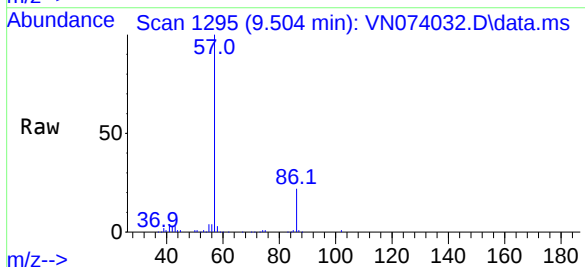
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

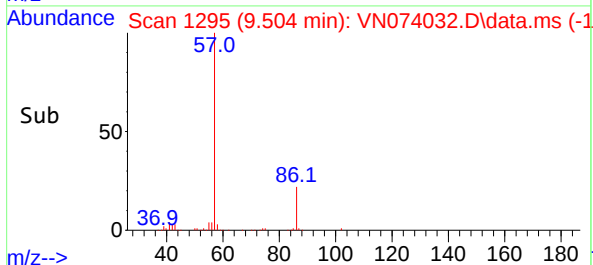
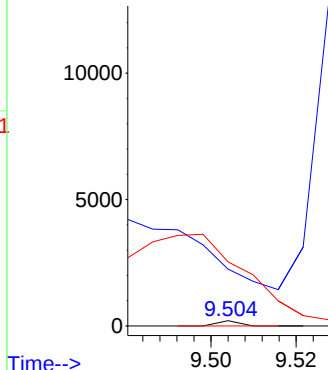
88 100

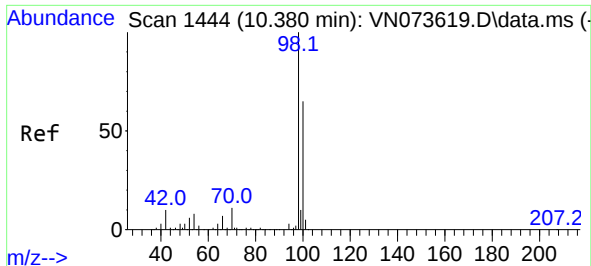
43 0.0 20.2 30.4#

58 11300.0 54.2 81.4#



Abundance

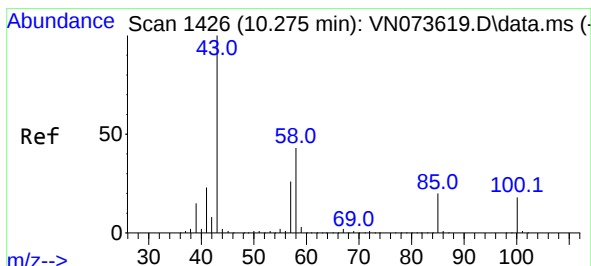
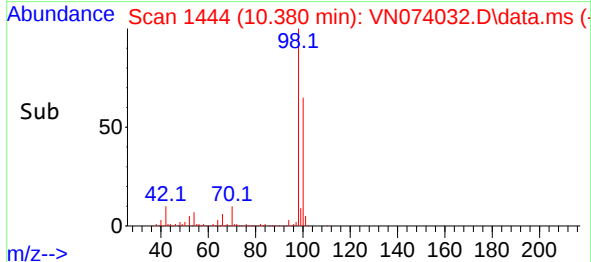
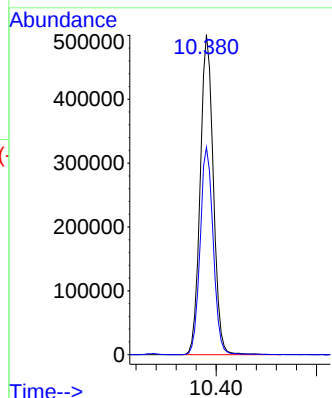
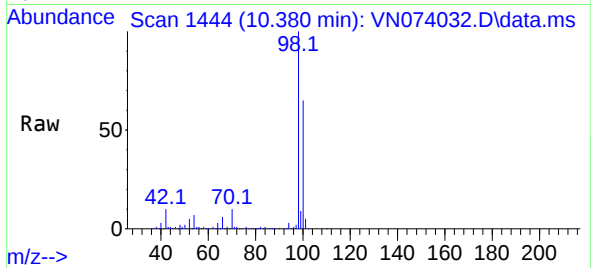




#50
Toluene-d8
Concen: 47.686 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

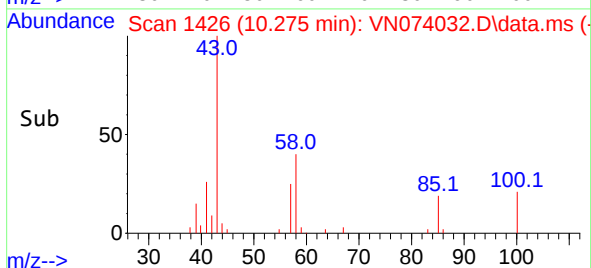
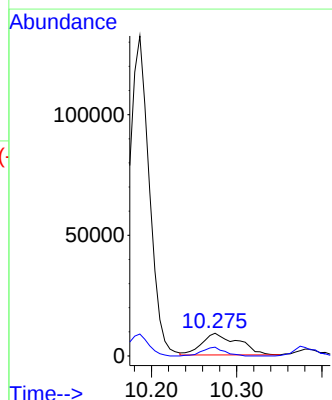
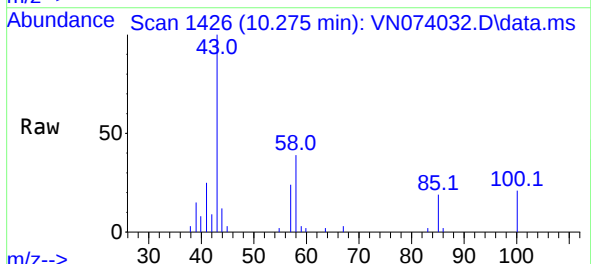
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#03

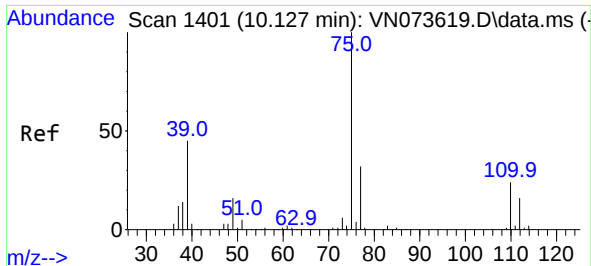
Tgt Ion: 98 Resp: 907428
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 3.357 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

Tgt Ion: 43 Resp: 26736
Ion Ratio Lower Upper
43 100
58 24.6 34.1 51.1#

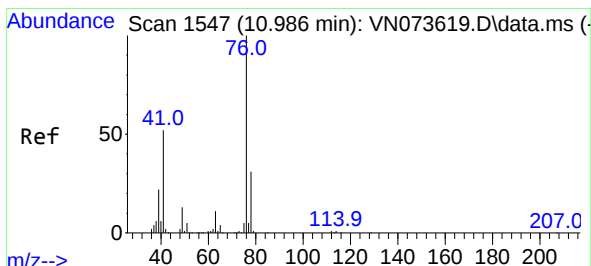
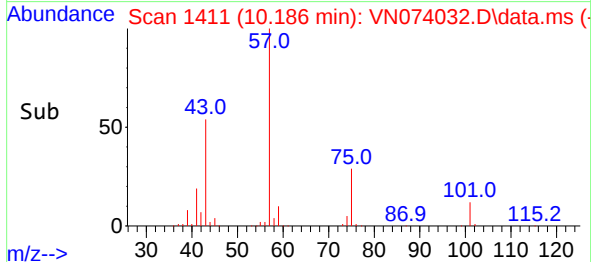
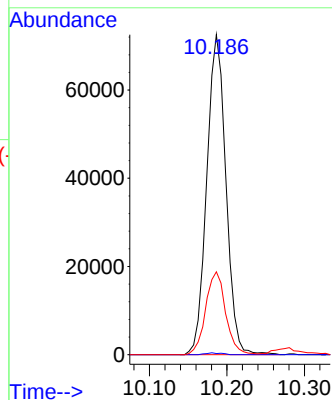
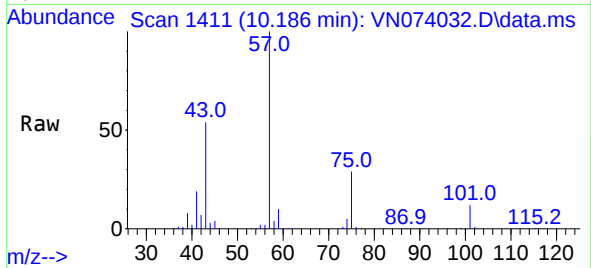




#54
 cis-1,3-Dichloropropene
 Concen: 14.458 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN074032.D
 Acq: 19 Aug 2022 17:27

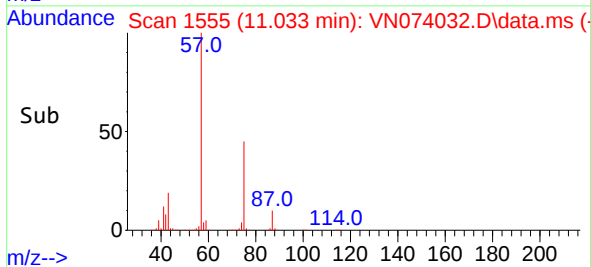
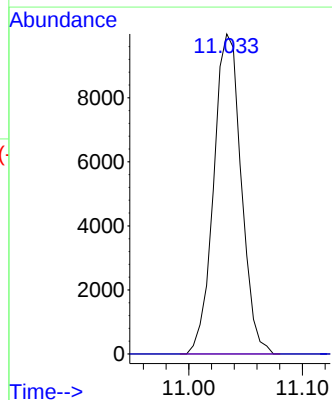
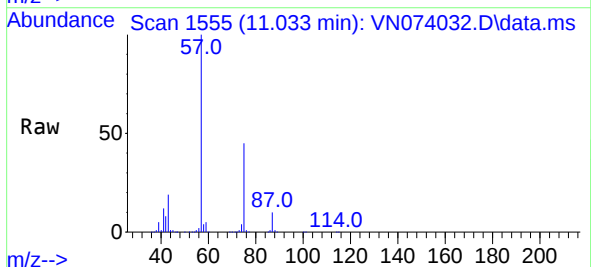
Instrument :
 MSVOA_N
 ClientSampleId :
 PB147119ZHE#03

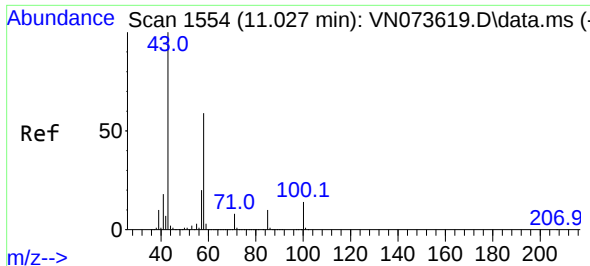
Tgt Ion: 75 Resp: 124532
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.2 37.8#
 39 25.9 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.802 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN074032.D
 Acq: 19 Aug 2022 17:27

Tgt Ion: 76 Resp: 16833
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

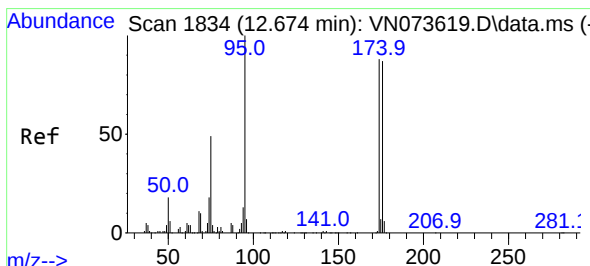
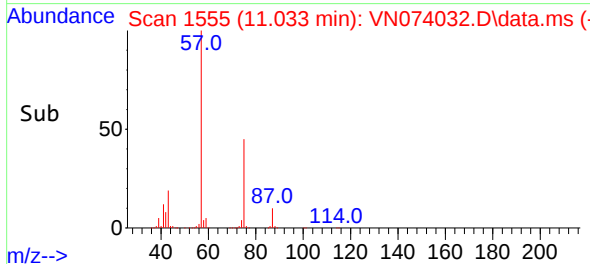
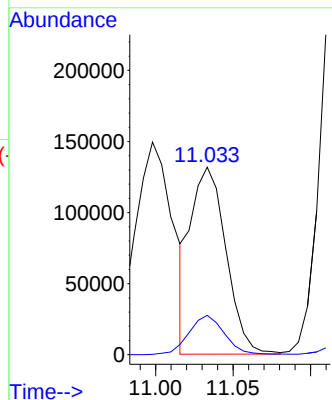
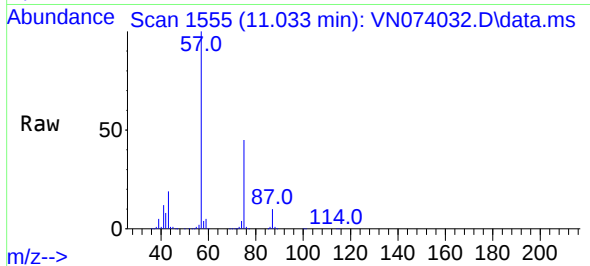




#59
2-Hexanone
Concen: 34.068 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

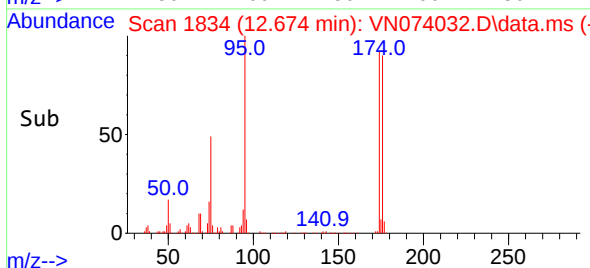
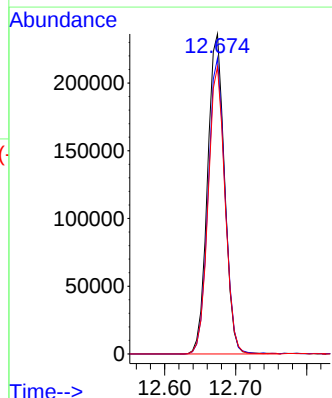
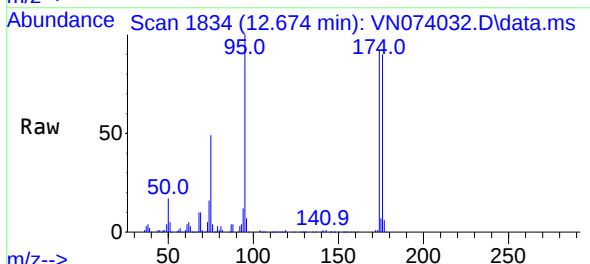
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#03

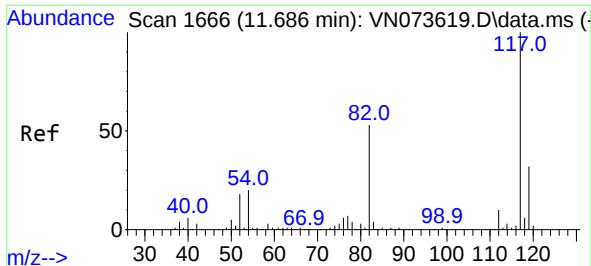
Tgt Ion: 43 Resp: 208787
Ion Ratio Lower Upper
43 100
58 21.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 62.155 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

Tgt Ion: 95 Resp: 392535
Ion Ratio Lower Upper
95 100
174 91.5 0.0 167.6
176 88.7 0.0 163.4

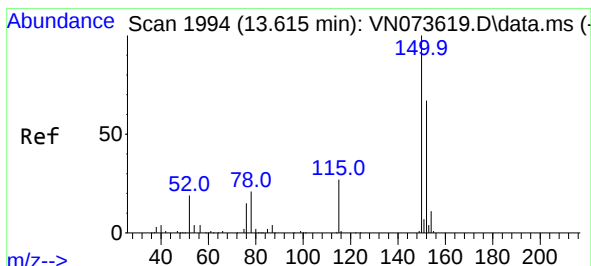
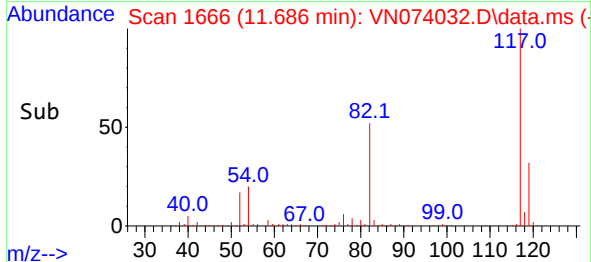
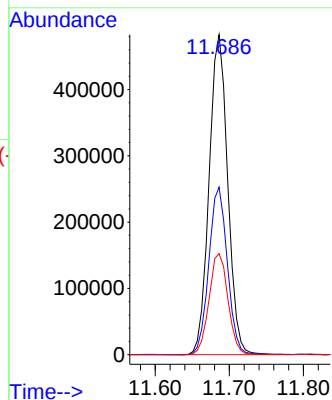
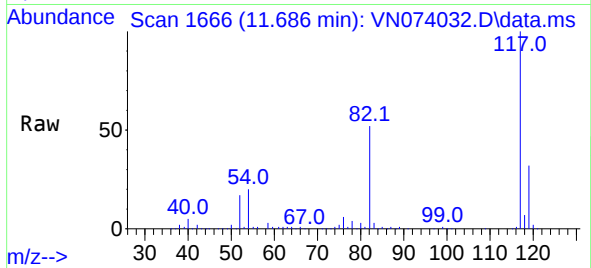




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

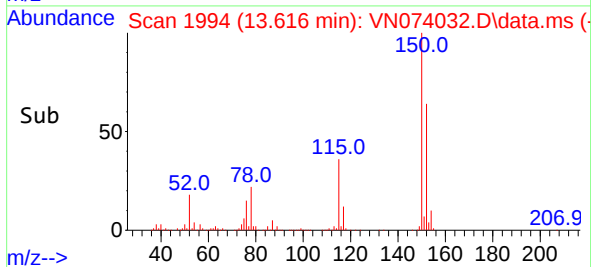
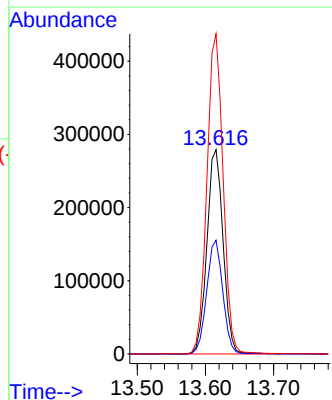
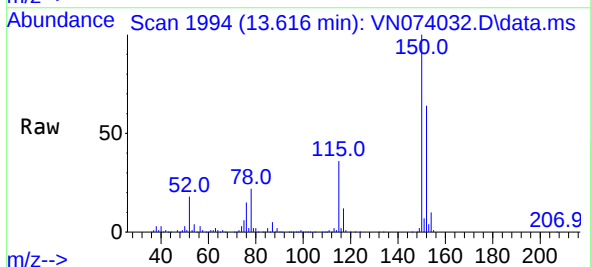
Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#03

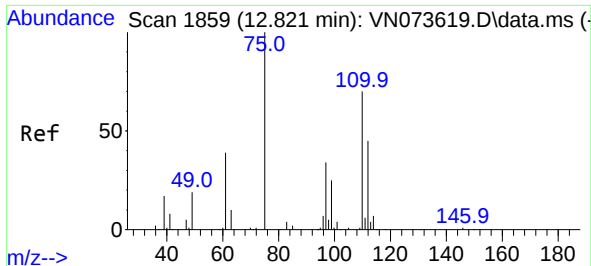
Tgt Ion:117 Resp: 841700
Ion Ratio Lower Upper
117 100
82 52.3 44.2 66.2
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

Tgt Ion:152 Resp: 461556
Ion Ratio Lower Upper
152 100
115 55.6 28.9 86.7
150 156.2 0.0 356.2

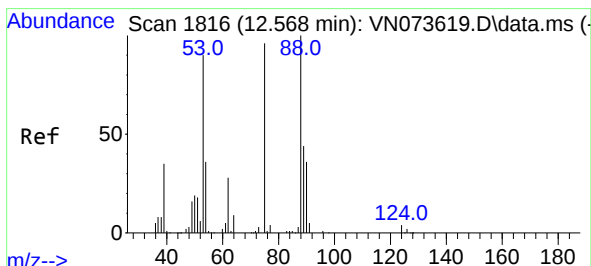
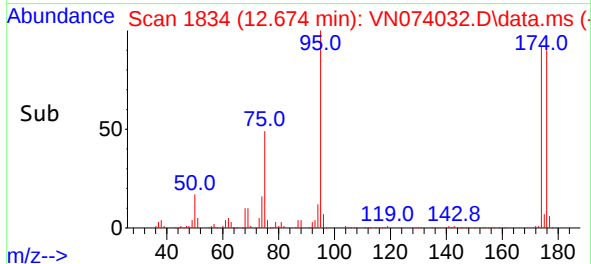
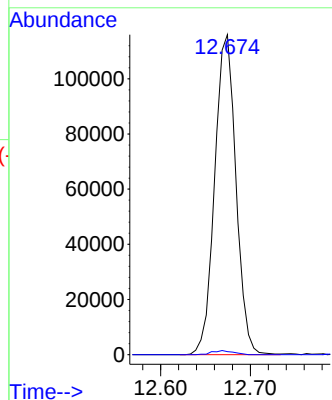
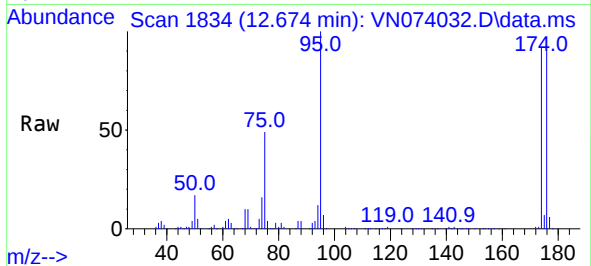




#76
1,2,3-Trichloropropane
Concen: 19.896 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

Instrument :
MSVOA_N
ClientSampleId :
PB147119ZHE#03

Tgt Ion: 75 Resp: 190871
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.588 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074032.D
Acq: 19 Aug 2022 17:27

Tgt Ion: 75 Resp: 190871
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

