

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073929.D
 Acq On : 16 Aug 2022 05:46
 Operator : JC\MD
 Sample : N4200-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S12

Quant Time: Aug 16 07:17:25 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)

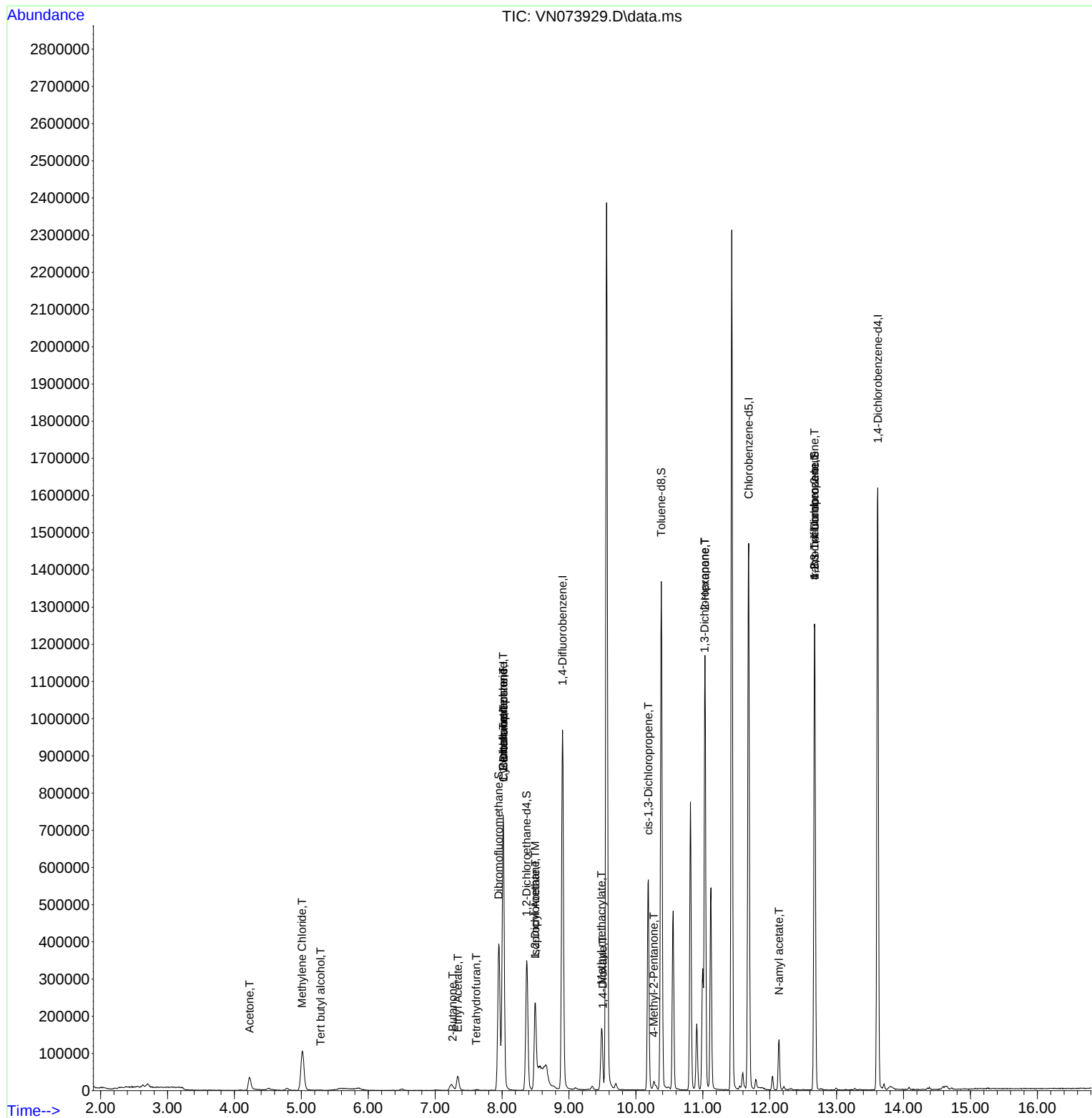
Internal Standards						
1) Pentafluorobenzene	8.016	168	628486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	915746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	907499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	489825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	295825	48.326	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.660%
35) Dibromofluoromethane	7.951	113	291899	53.899	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.800%
50) Toluene-d8	10.380	98	972130	46.349	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.700%
62) 4-Bromofluorobenzene	12.669	95	411477	59.112	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.287	59	1440	1.052	ug/l #	72
16) Acetone	4.228	43	66558	23.046	ug/l	89
18) Methyl Acetate	4.781	43	12318	Below Cal	#	69
20) Methylene Chloride	5.010	84	96231	15.791	ug/l	93
25) 2-Butanone	7.263	43	12895	2.816	ug/l	95
29) Tetrahydrofuran	7.616	42	1711	0.582	ug/l	91
31) Cyclohexane	8.022	56	9718	1.139	ug/l #	1
36) 1,1-Dichloropropene	8.022	75	37036	4.924	ug/l #	50
37) Ethyl Acetate	7.340	43	58838	6.457	ug/l	99
38) Carbon Tetrachloride	8.016	117	55238	6.425	ug/l #	17
42) 1,2-Dichloroethane	8.492	62	1910	0.234	ug/l #	74
43) Isopropyl Acetate	8.498	43	307355	23.675	ug/l #	89
48) Methyl methacrylate	9.486	41	9121	1.642	ug/l #	39
49) 1,4-Dioxane	9.504	88	205	1.241	ug/l #	25
51) 4-Methyl-2-Pentanone	10.269	43	23346	2.660	ug/l #	74
54) cis-1,3-Dichloropropene	10.186	75	111410	11.735	ug/l #	58
57) 1,3-Dichloropropane	11.028	76	12915	1.254	ug/l #	42
59) 2-Hexanone	11.033	43	150405	22.266	ug/l #	49
74) N-amyl acetate	12.139	43	39259	2.912	ug/l #	49
76) 1,2,3-Trichloropropane	12.669	75	208365	20.466	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	208365	58.209	ug/l #	10

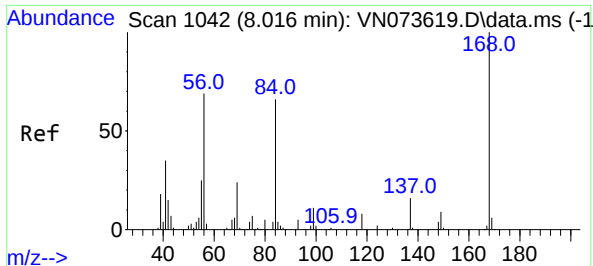
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

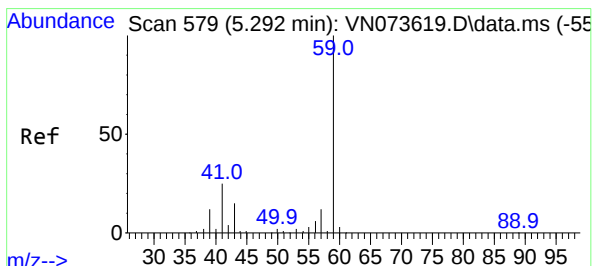
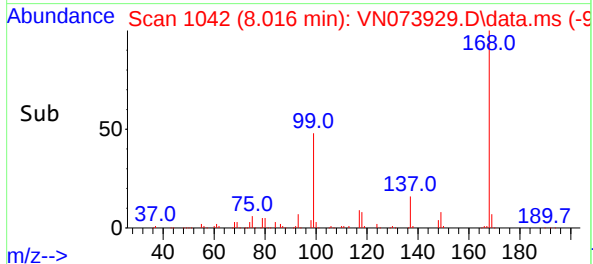
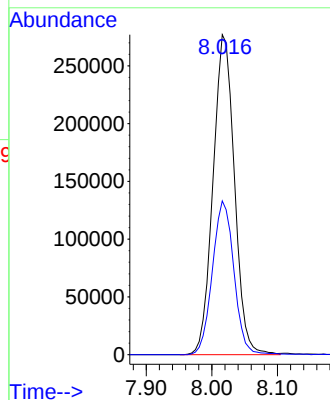
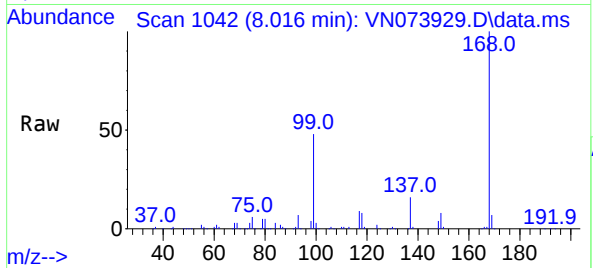




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

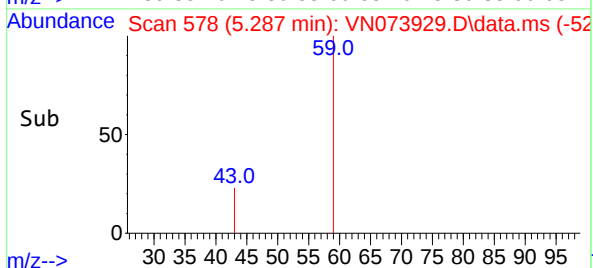
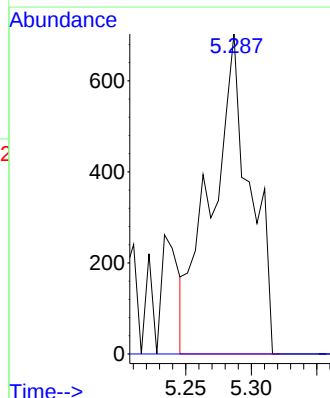
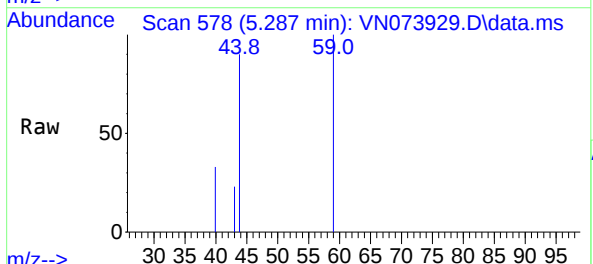
Instrument :
MSVOA_N
ClientSampleId :
S12

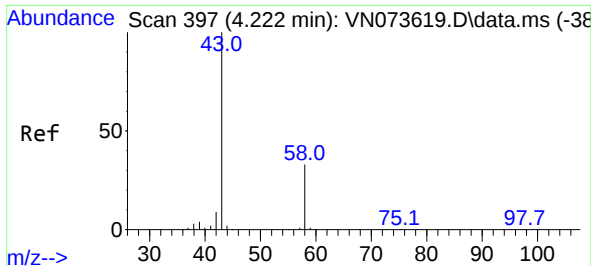
Tgt Ion:168 Resp: 628486
Ion Ratio Lower Upper
168 100
99 48.0 42.3 63.5



#11
Tert butyl alcohol
Concen: 1.052 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

Tgt Ion: 59 Resp: 1440
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

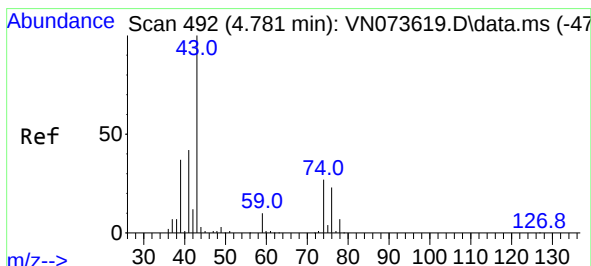
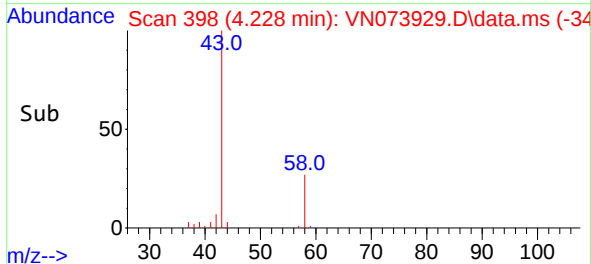
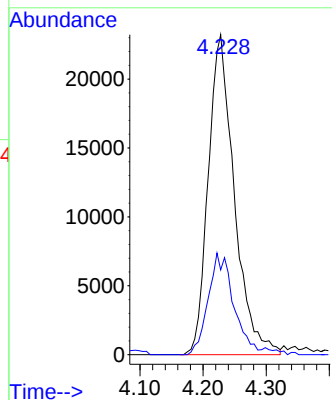
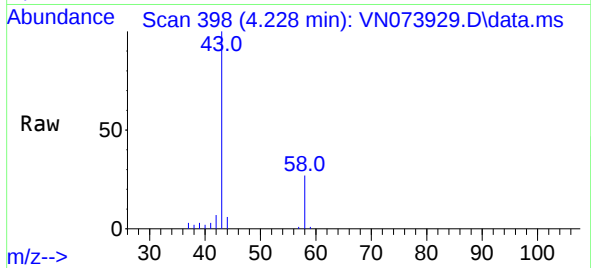




#16
Acetone
Concen: 23.046 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

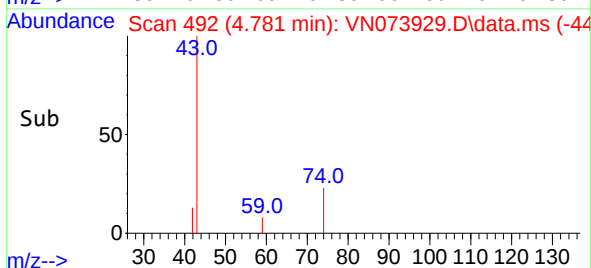
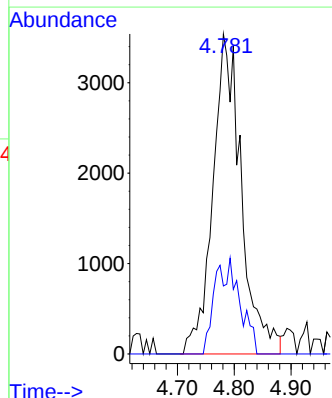
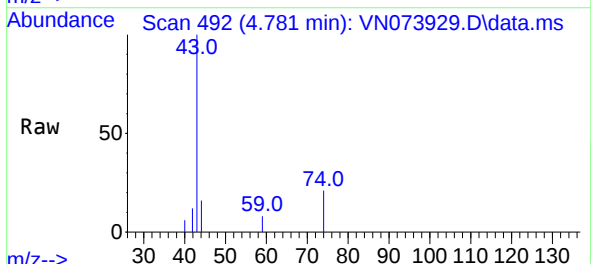
Instrument :
MSVOA_N
ClientSampleId :
S12

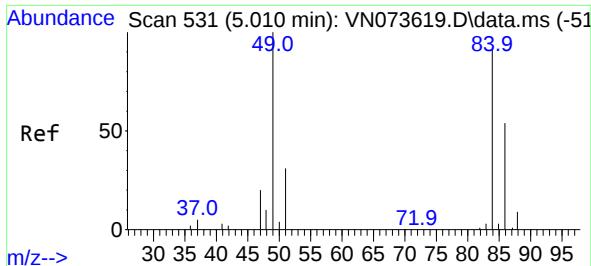
Tgt Ion: 43 Resp: 66558
Ion Ratio Lower Upper
43 100
58 26.5 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

Tgt Ion: 43 Resp: 12318
Ion Ratio Lower Upper
43 100
74 11.0 21.6 32.4#



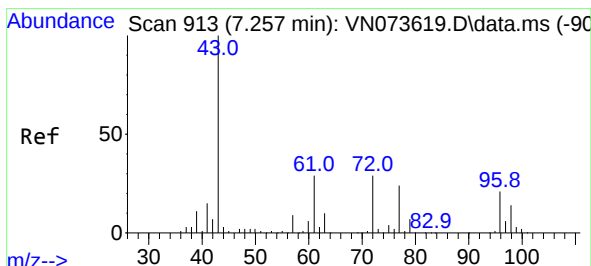
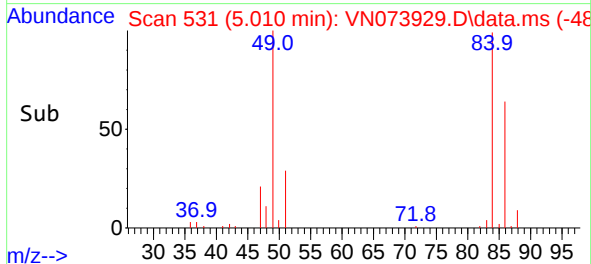
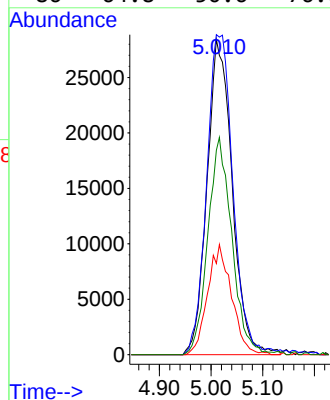
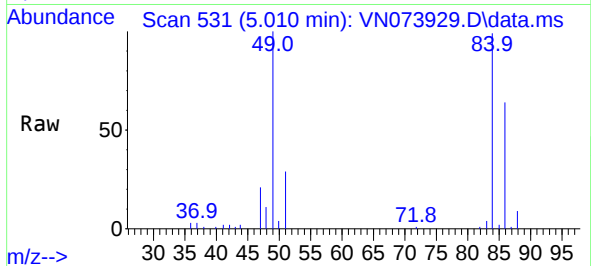


#20
Methylene Chloride
Concen: 15.791 ug/l
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

Instrument :
MSVOA_N
ClientSampleId :
S12

Tgt Ion: 84 Resp: 96231

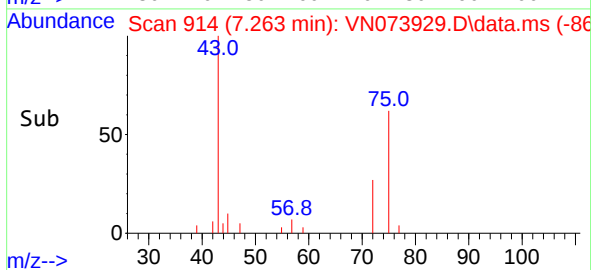
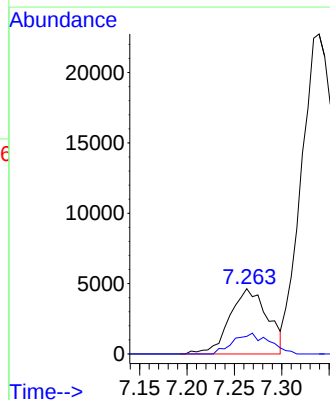
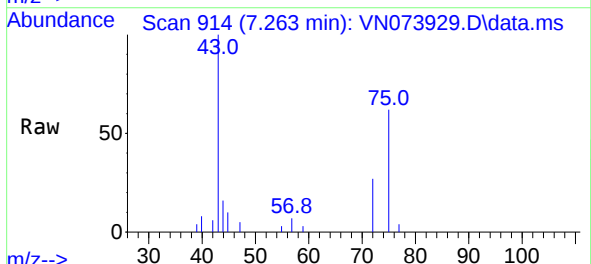
Ion	Ratio	Lower	Upper
84	100		
49	101.5	88.3	132.5
51	28.9	28.2	42.2
86	64.8	50.6	76.0

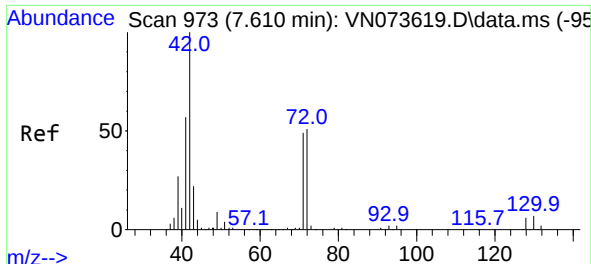


#25
2-Butanone
Concen: 2.816 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

Tgt Ion: 43 Resp: 12895

Ion	Ratio	Lower	Upper
43	100		
72	27.0	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.582 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN073929.D

Acq: 16 Aug 2022 05:46

Instrument :

MSVOA_N

ClientSampleId :

S12

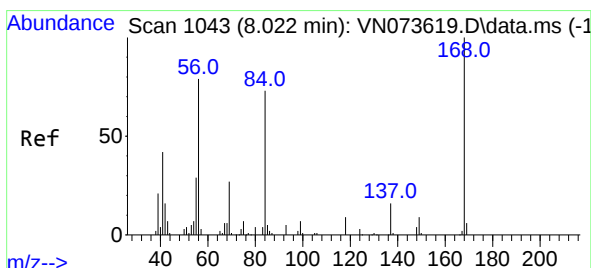
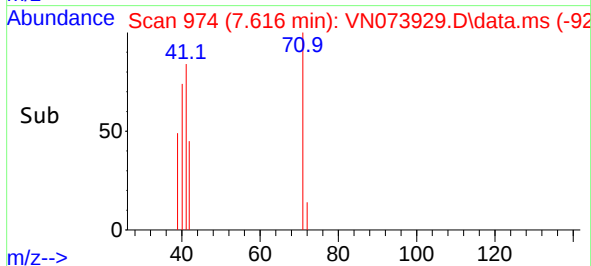
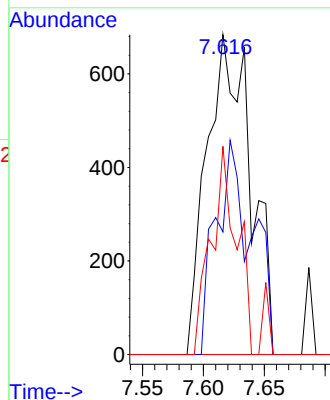
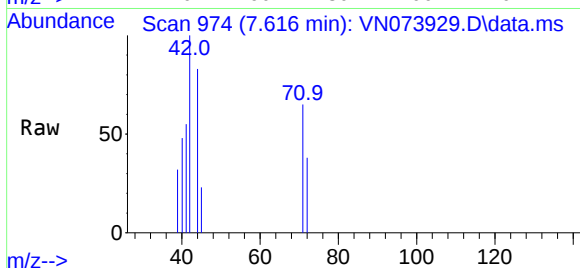
Tgt Ion: 42 Resp: 1711

Ion Ratio Lower Upper

42 100

72 54.9 39.7 59.5

71 38.3 36.6 55.0



#31

Cyclohexane

Concen: 1.139 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073929.D

Acq: 16 Aug 2022 05:46

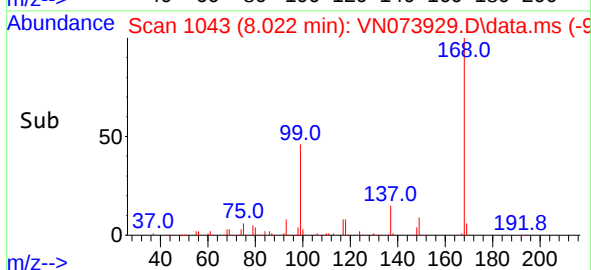
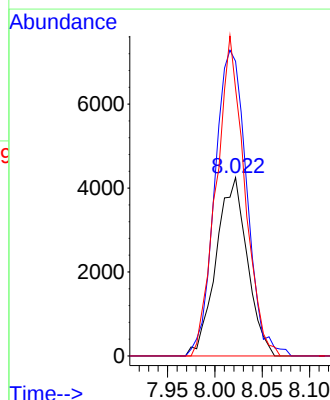
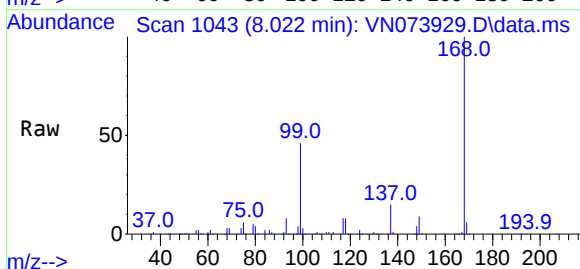
Tgt Ion: 56 Resp: 9718

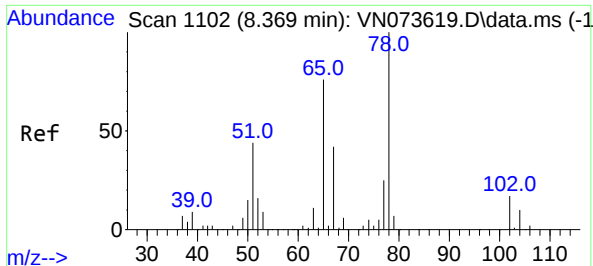
Ion Ratio Lower Upper

56 100

69 165.2 27.8 41.8#

84 149.9 76.9 115.3#

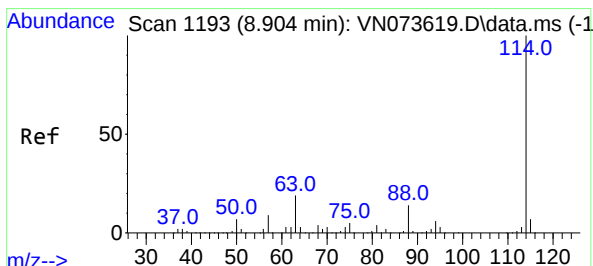
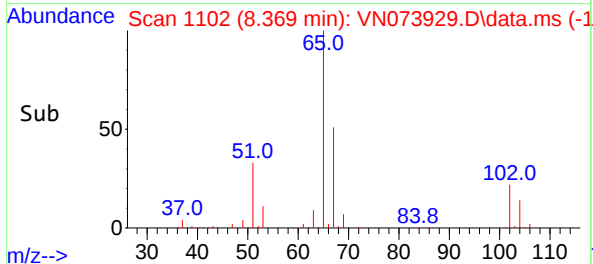
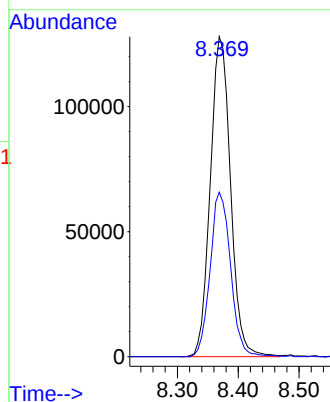
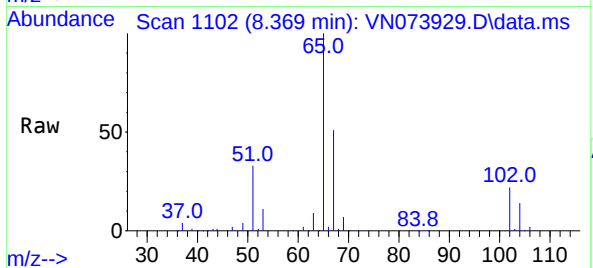




#33
1,2-Dichloroethane-d4
Concen: 48.326 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

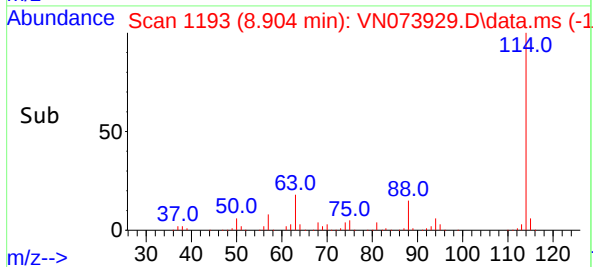
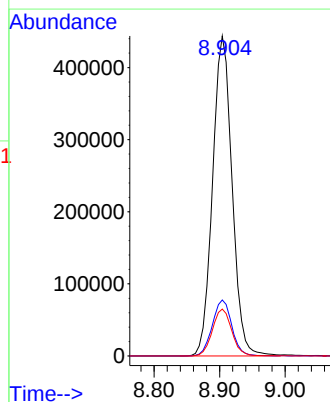
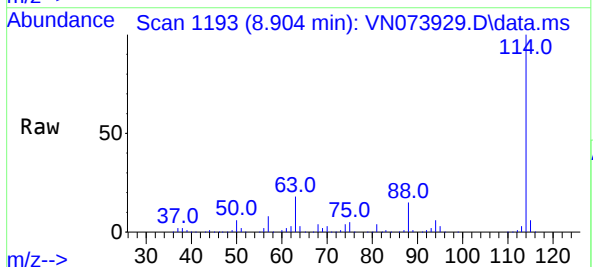
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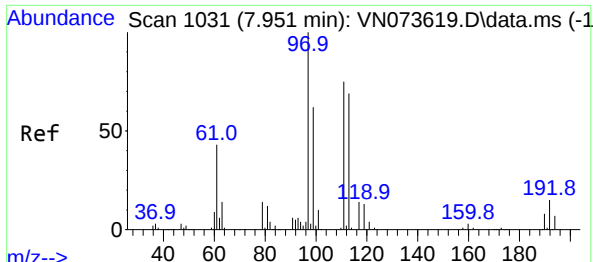
Tgt Ion: 65 Resp: 295825
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

Tgt Ion:114 Resp: 915746
Ion Ratio Lower Upper
114 100
63 17.5 0.0 40.0
88 14.7 0.0 32.6

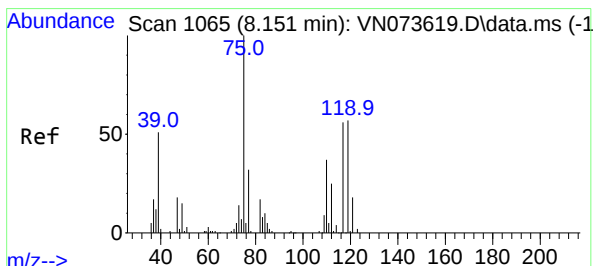
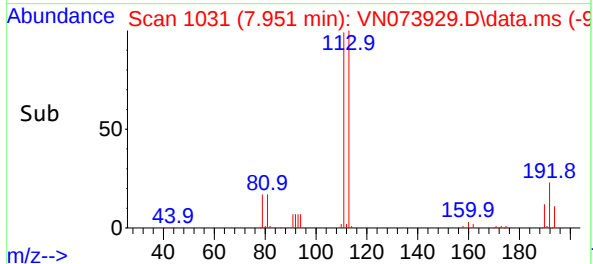
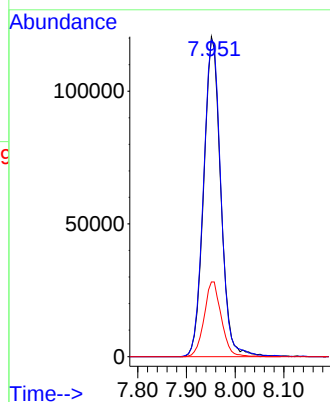
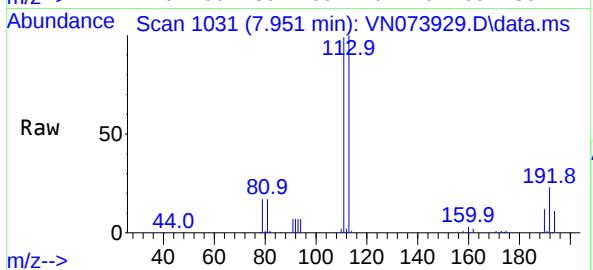




#35
Dibromofluoromethane
Concen: 53.899 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

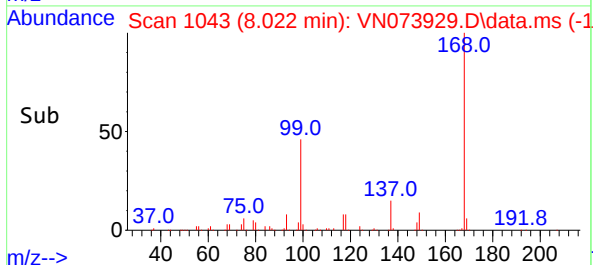
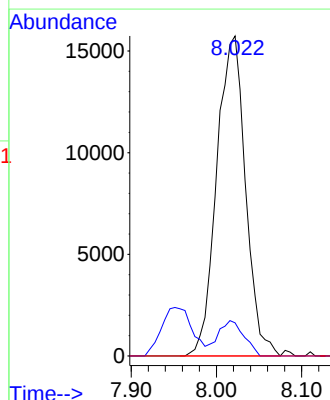
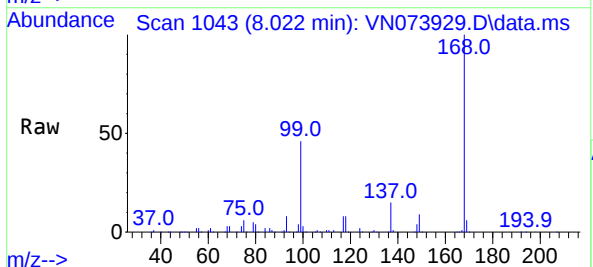
Instrument :
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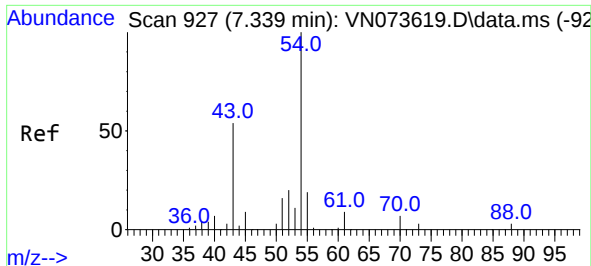
Tgt Ion:113 Resp: 291899
Ion Ratio Lower Upper
113 100
111 101.6 81.4 122.0
192 23.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.924 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

Tgt Ion: 75 Resp: 37036
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 25.1 37.7#

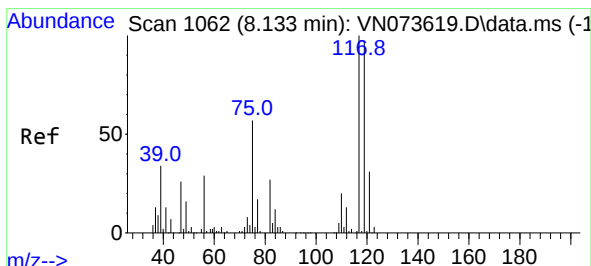
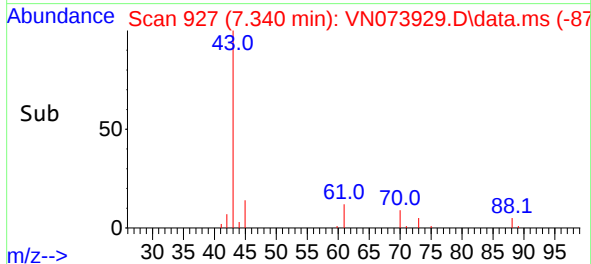
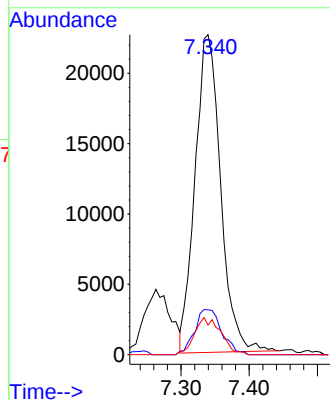
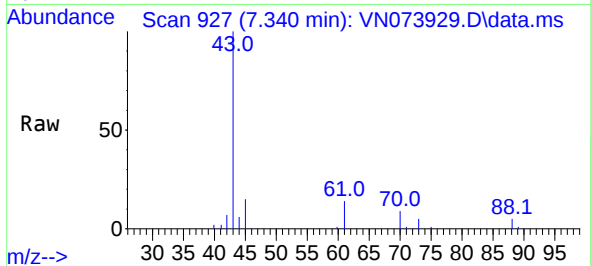




#37
Ethyl Acetate
Concen: 6.457 ug/l
RT: 7.340 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

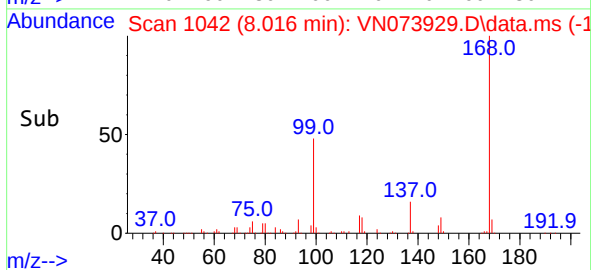
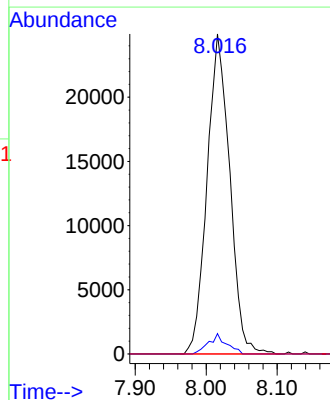
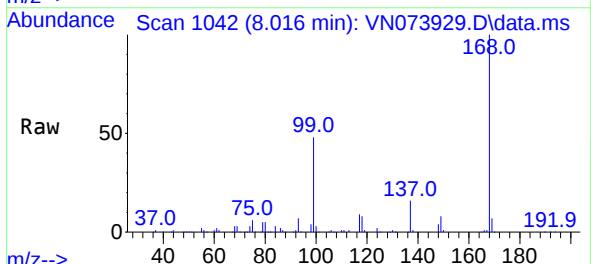
Instrument :
MSVOA_N
ClientSampleId :
S12

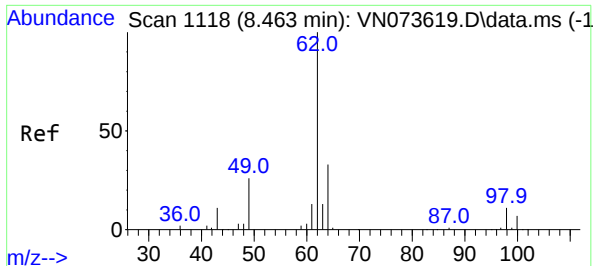
Tgt Ion:	43	Resp:	58838
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	12.0	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.425 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

Tgt Ion:	117	Resp:	55238
Ion	Ratio	Lower	Upper
117	100		
119	6.4	75.8	113.8#
121	0.0	24.6	37.0#





#42

1,2-Dichloroethane

Concen: 0.234 ug/l

RT: 8.492 min Scan# 1118

Delta R.T. 0.029 min

Lab File: VN073929.D

Acq: 16 Aug 2022 05:46

Instrument :

MSVOA_N

ClientSampleId :

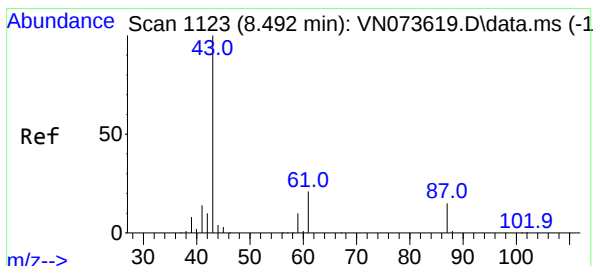
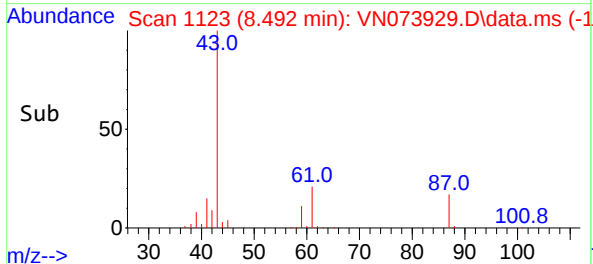
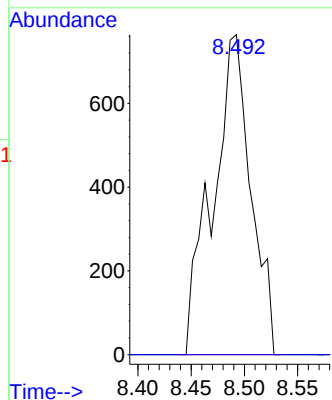
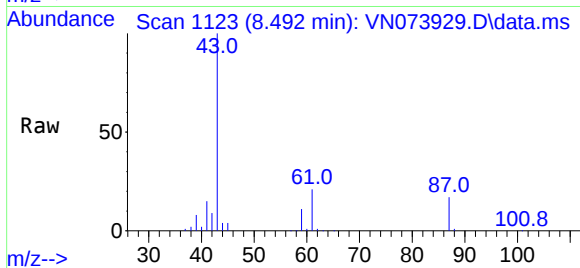
S12

Tgt Ion: 62 Resp: 1910

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 23.675 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073929.D

Acq: 16 Aug 2022 05:46

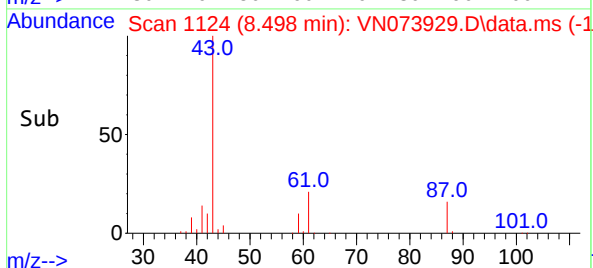
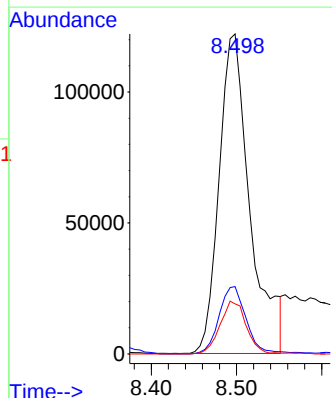
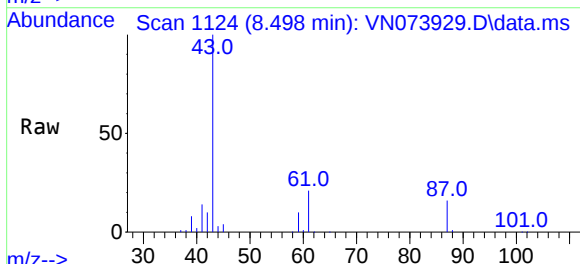
Tgt Ion: 43 Resp: 307355

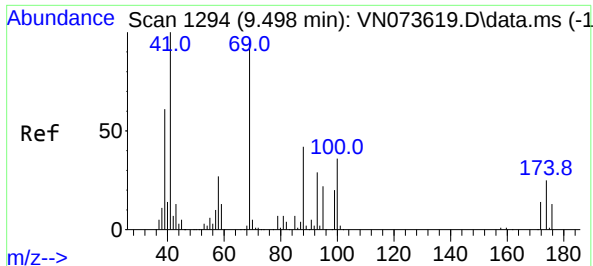
Ion Ratio Lower Upper

43 100

61 18.8 21.9 32.9#

87 14.2 12.0 18.0

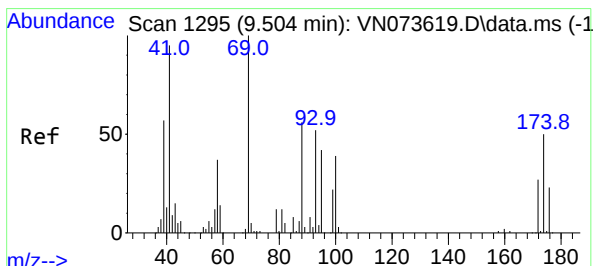
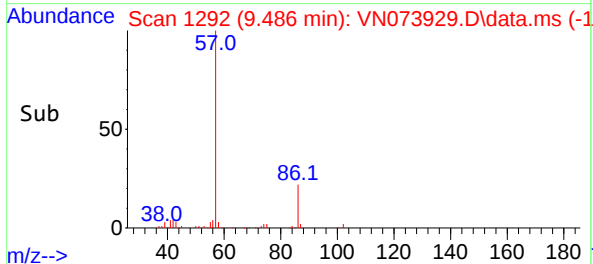
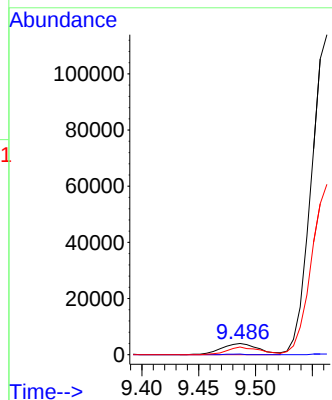
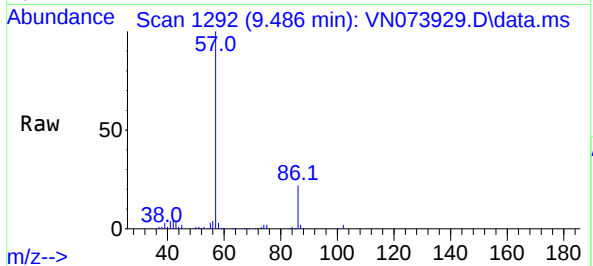




#48
Methyl methacrylate
Concen: 1.642 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

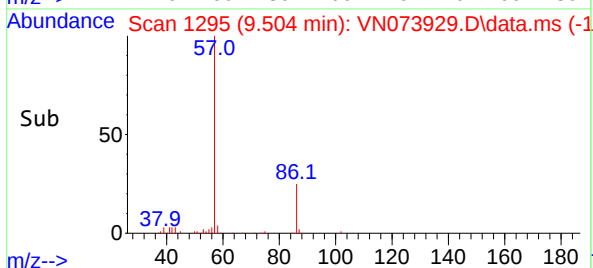
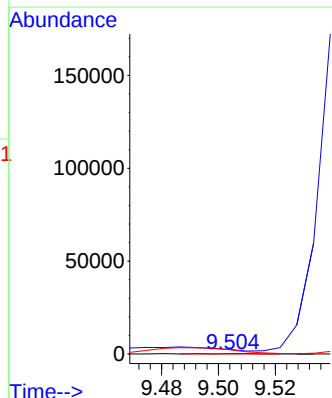
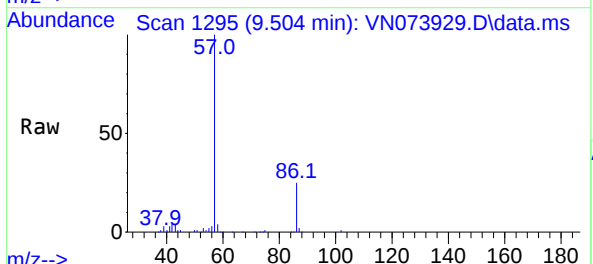
Instrument :
MSVOA_N
ClientSampleId :
S12

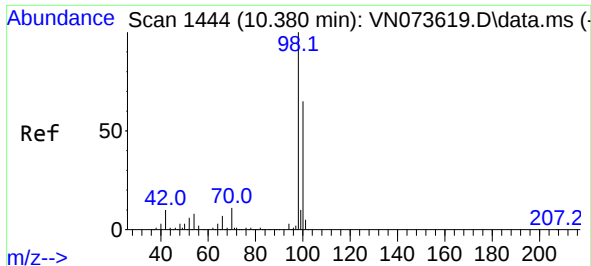
Tgt Ion: 41 Resp: 9121
Ion Ratio Lower Upper
41 100
69 2.2 74.7 112.1#
39 60.8 45.6 68.4



#49
1,4-Dioxane
Concen: 1.241 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

Tgt Ion: 88 Resp: 205
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

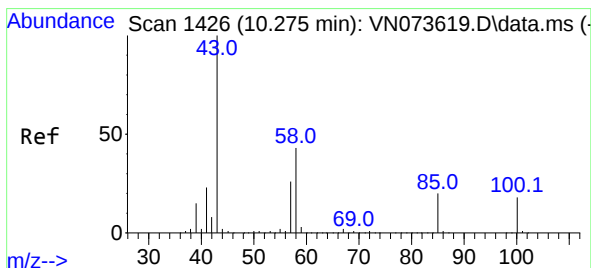
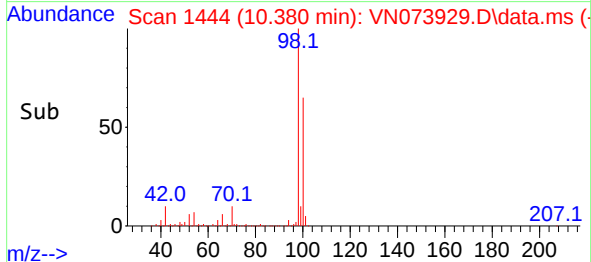
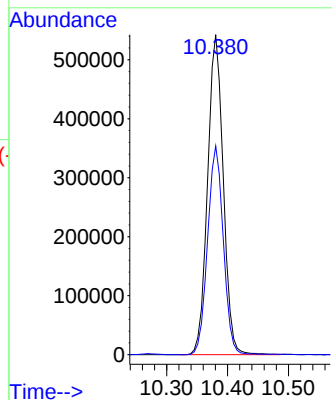
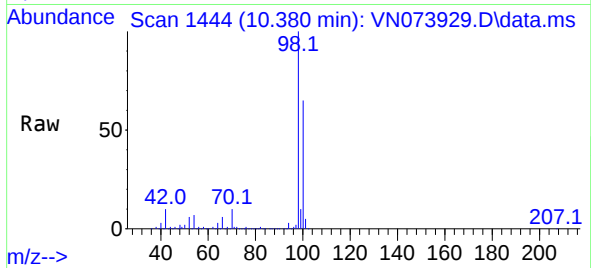




#50
Toluene-d8
Concen: 46.349 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

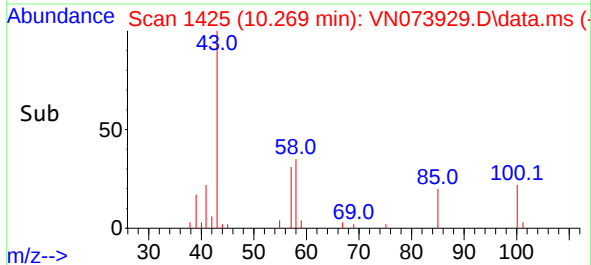
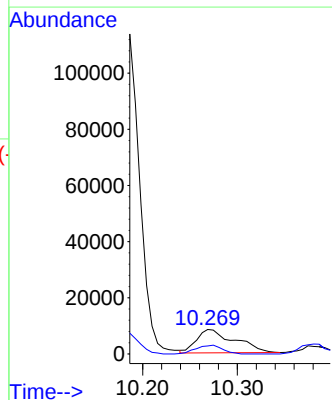
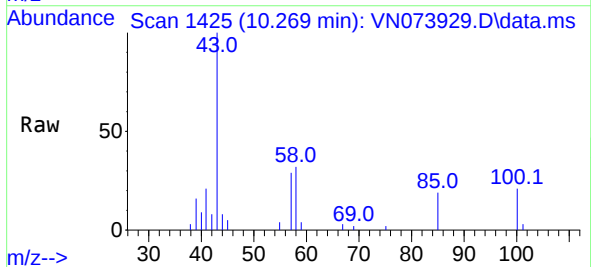
Instrument :
MSVOA_N
ClientSampleId :
S12

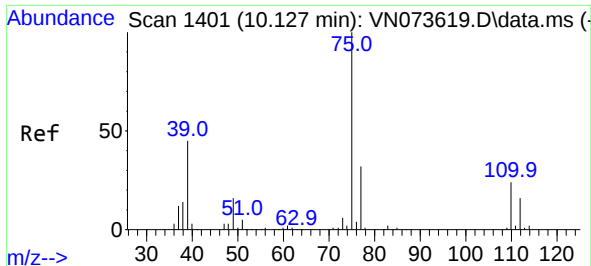
Tgt Ion: 98 Resp: 972130
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.660 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

Tgt Ion: 43 Resp: 23346
Ion Ratio Lower Upper
43 100
58 26.1 34.1 51.1#

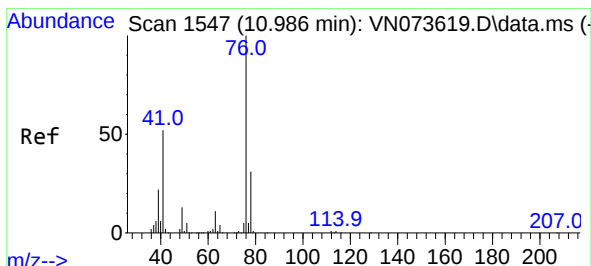
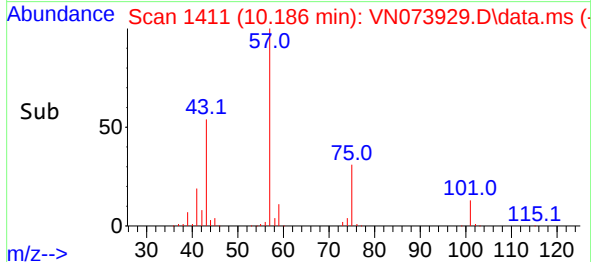
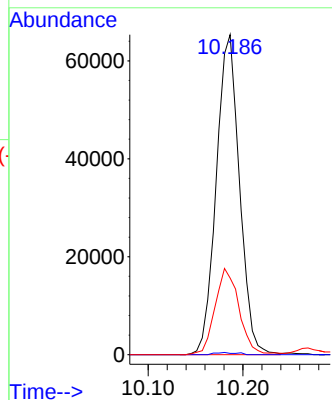
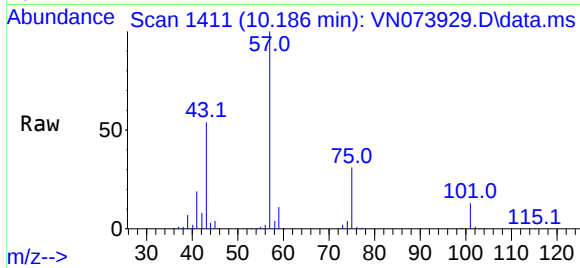




#54
 cis-1,3-Dichloropropene
 Concen: 11.735 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073929.D
 Acq: 16 Aug 2022 05:46

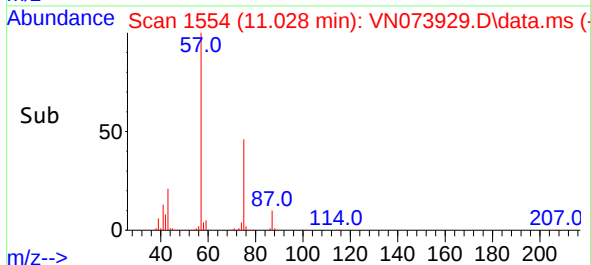
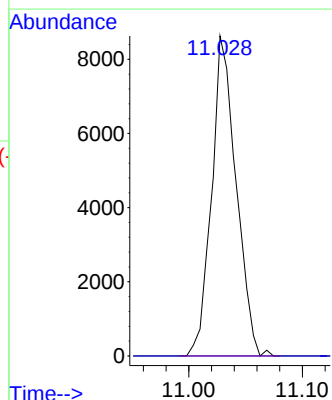
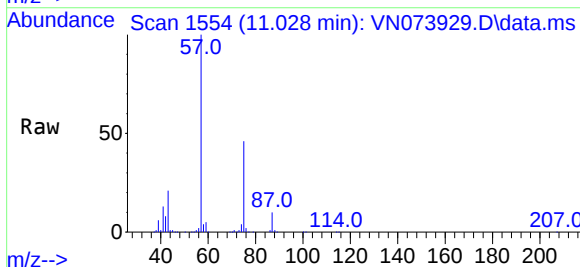
Instrument :
 MSVOA_N
 ClientSampleId :
 S12

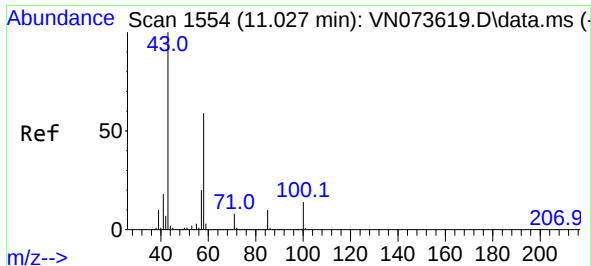
Tgt Ion: 75 Resp: 111410
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.2 37.8#
 39 24.0 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.254 ug/l
 RT: 11.028 min Scan# 1554
 Delta R.T. 0.041 min
 Lab File: VN073929.D
 Acq: 16 Aug 2022 05:46

Tgt Ion: 76 Resp: 12915
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

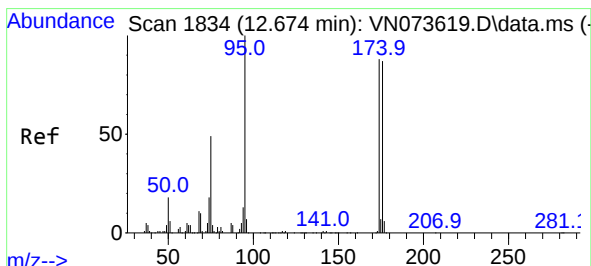
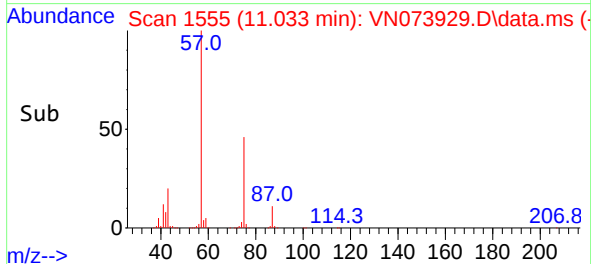
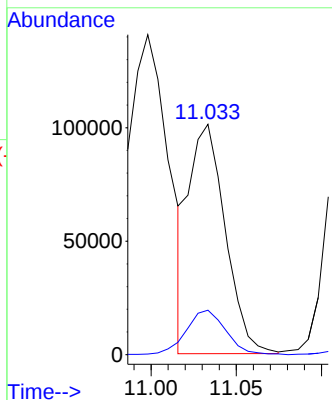
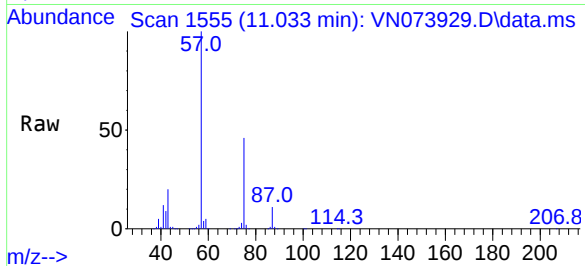




#59
2-Hexanone
Concen: 22.266 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

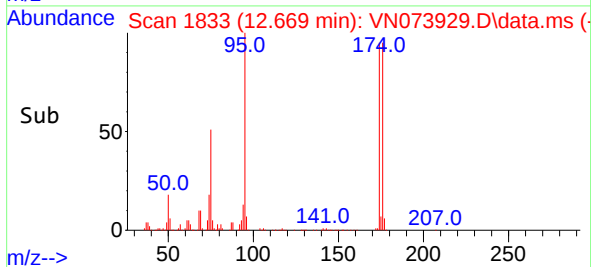
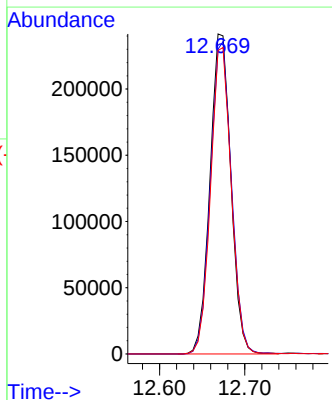
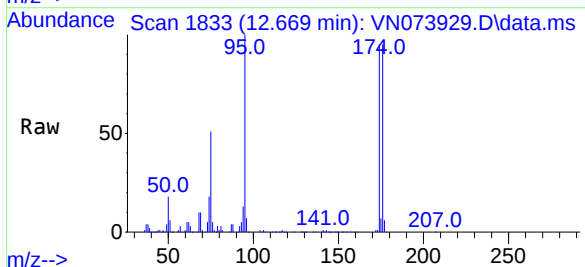
Instrument :
MSVOA_N
ClientSampleId :
S12

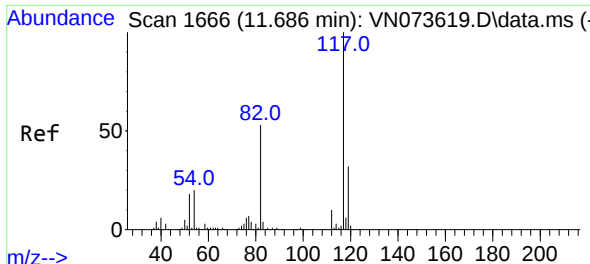
Tgt Ion: 43 Resp: 150405
Ion Ratio Lower Upper
43 100
58 21.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 59.112 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.005 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

Tgt Ion: 95 Resp: 411477
Ion Ratio Lower Upper
95 100
174 97.8 0.0 167.6
176 95.0 0.0 163.4

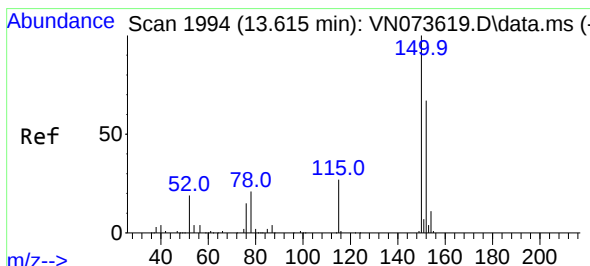
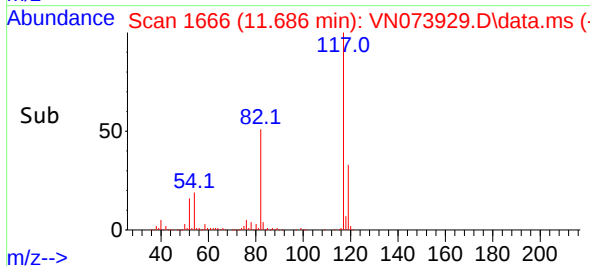
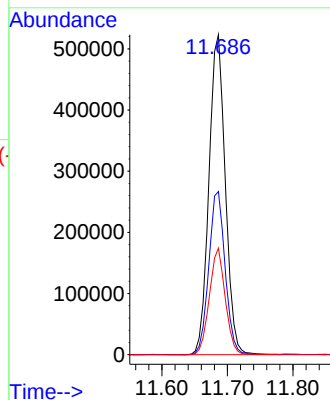
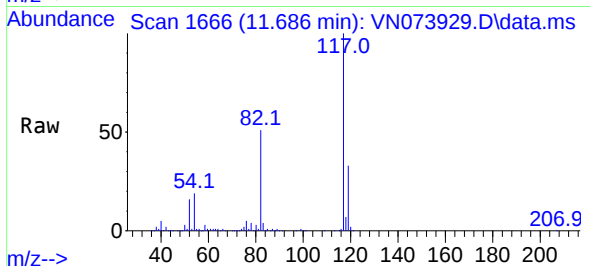




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

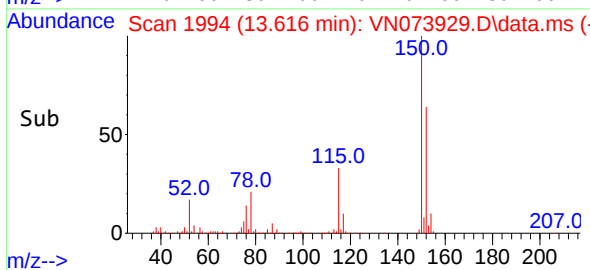
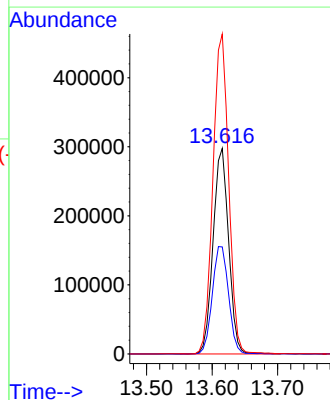
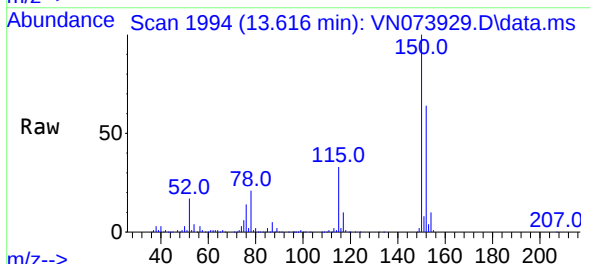
Instrument :
MSVOA_N
ClientSampleId :
S12

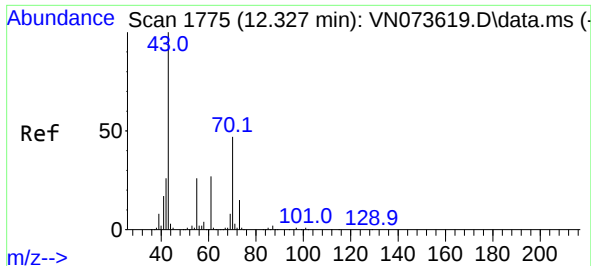
Tgt Ion:117 Resp: 907499
Ion Ratio Lower Upper
117 100
82 51.0 44.2 66.2
119 33.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

Tgt Ion:152 Resp: 489825
Ion Ratio Lower Upper
152 100
115 54.7 28.9 86.7
150 157.5 0.0 356.2

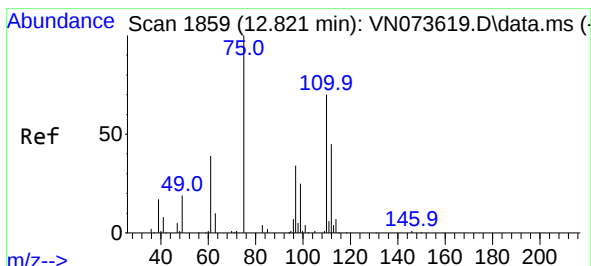
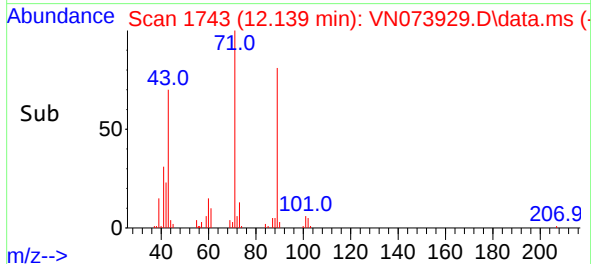
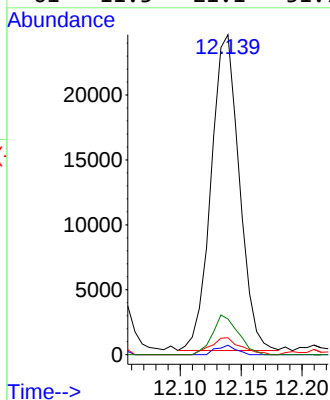
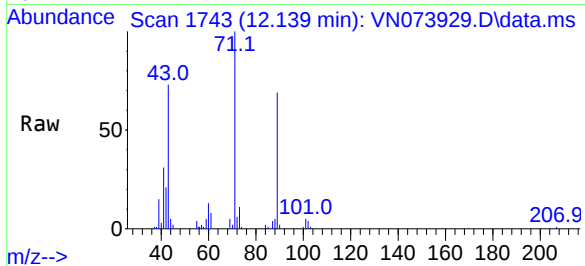




#74
N-amy1 acetate
Concen: 2.912 ug/l
RT: 12.139 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

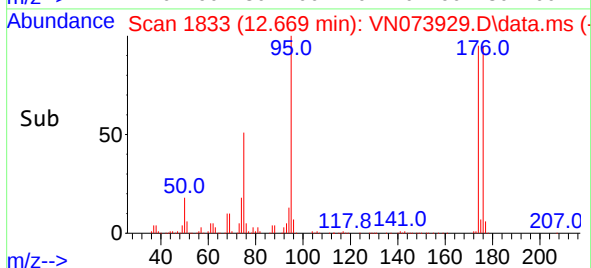
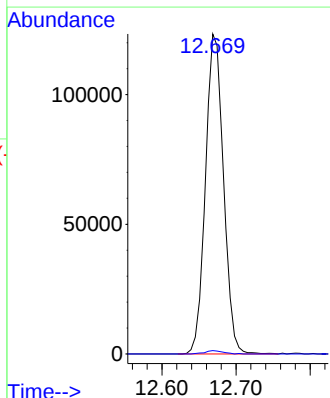
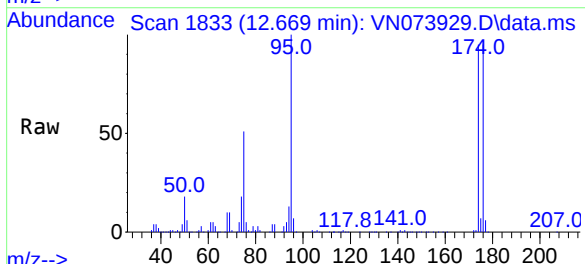
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MSVOA_N
ClientSampleId :
S12

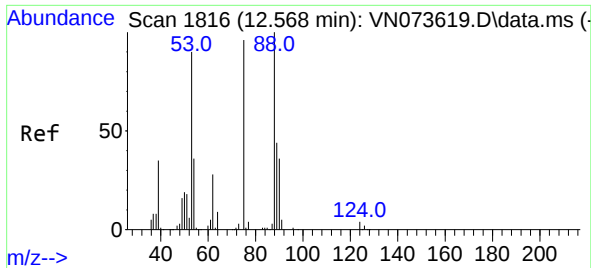
Tgt Ion: 43	Resp: 39259
Ion Ratio	Lower Upper
43 100	
70 2.1	39.0 58.4#
55 5.7	21.1 31.7#
61 11.3	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 20.466 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN073929.D
Acq: 16 Aug 2022 05:46

Tgt Ion: 75	Resp: 208365
Ion Ratio	Lower Upper
75 100	
77 1.1	98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.209 ug/l
 RT: 12.669 min Scan# 11
 Delta R.T. 0.101 min
 Lab File: VN073929.D
 Acq: 16 Aug 2022 05:46

Instrument :
 MSVOA_N
 ClientSampleId :
 S12

Tgt Ion: 75 Resp: 208365
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

