

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073927.D
 Acq On : 16 Aug 2022 04:57
 Operator : JC\MD
 Sample : N4200-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S13

Quant Time: Aug 16 07:16:29 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)

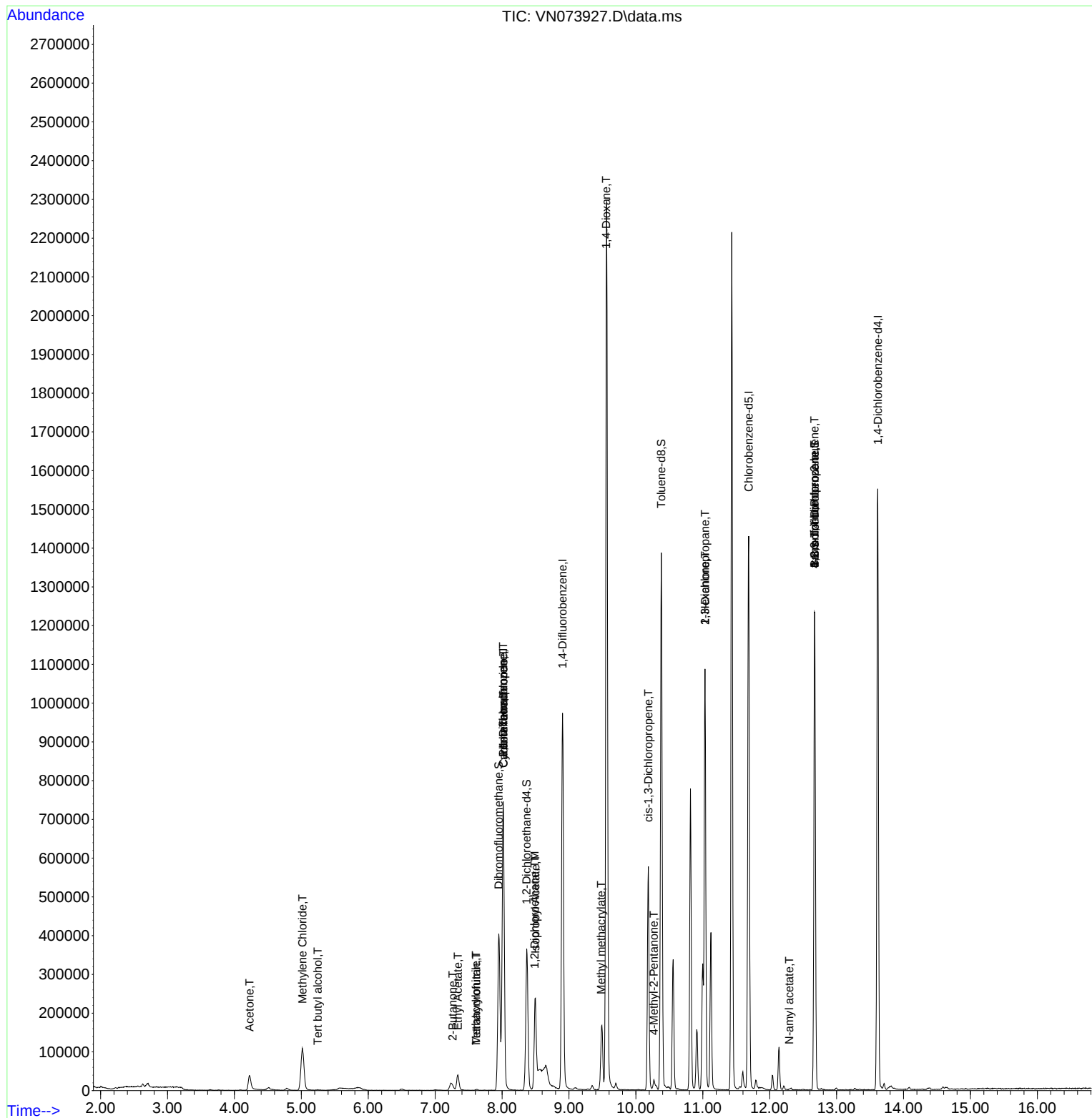
Internal Standards						
1) Pentafluorobenzene	8.016	168	637404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	927562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	900137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	468037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	302825	48.778	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.560%		
35) Dibromofluoromethane	7.951	113	291470	53.135	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.260%		
50) Toluene-d8	10.380	98	987740	46.493	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.980%		
62) 4-Bromofluorobenzene	12.674	95	407161	57.747	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	115.500%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.246	59	747	0.538	ug/l #	72
16) Acetone	4.228	43	71884	24.542	ug/l	99
18) Methyl Acetate	4.787	43	10619	Below Cal	#	77
20) Methylene Chloride	5.016	84	95759	15.493	ug/l	96
25) 2-Butanone	7.263	43	14095	3.035	ug/l #	85
29) Tetrahydrofuran	7.616	42	917	0.308	ug/l #	49
31) Cyclohexane	8.022	56	10034	1.159	ug/l #	21
36) 1,1-Dichloropropene	8.016	75	39809	5.225	ug/l #	49
37) Ethyl Acetate	7.340	43	57905	6.273	ug/l	97
38) Carbon Tetrachloride	8.022	117	54628	6.273	ug/l #	16
41) Methacrylonitrile	7.610	41	963	0.231	ug/l #	26
42) 1,2-Dichloroethane	8.486	62	1954	0.236	ug/l #	74
43) Isopropyl Acetate	8.498	43	292375	22.234	ug/l #	91
48) Methyl methacrylate	9.481	41	9615	1.709	ug/l #	40
49) 1,4-Dioxane	9.557	88	422	2.522	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	23828	2.680	ug/l #	78
54) cis-1,3-Dichloropropene	10.186	75	113340	11.786	ug/l #	60
57) 1,3-Dichloropropane	11.033	76	12645	1.212	ug/l #	42
59) 2-Hexanone	11.033	43	117063	17.109	ug/l #	56
71) Bromoform	12.669	173	2417	0.374	ug/l #	28
74) N-amyl acetate	12.292	43	2967	0.230	ug/l #	39
76) 1,2,3-Trichloropropane	12.669	75	202394	20.805	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	202394	59.174	ug/l #	10

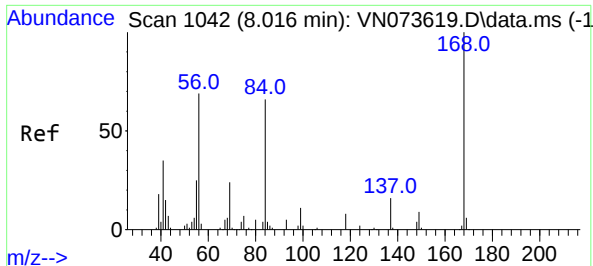
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
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Instrument :
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Quant Time: Aug 16 07:16:29 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

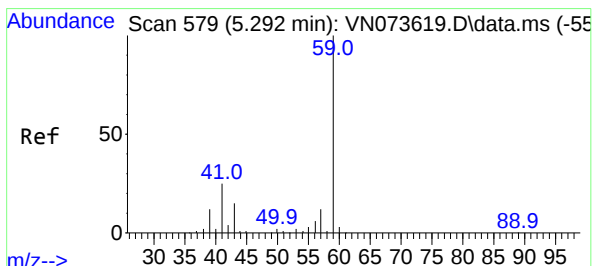
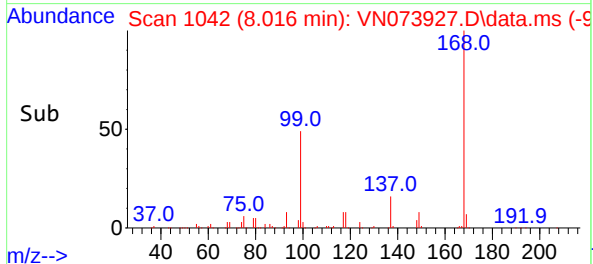
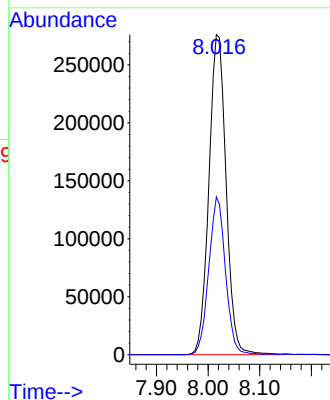
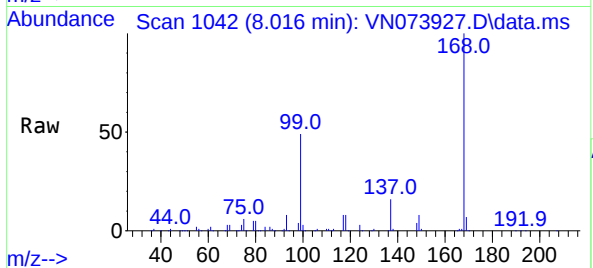




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

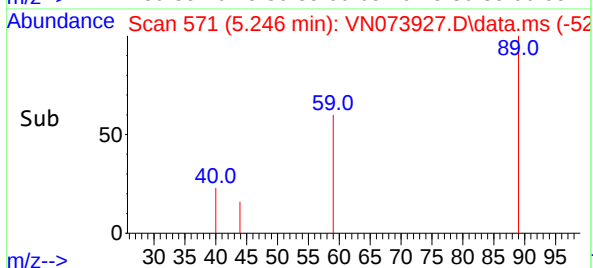
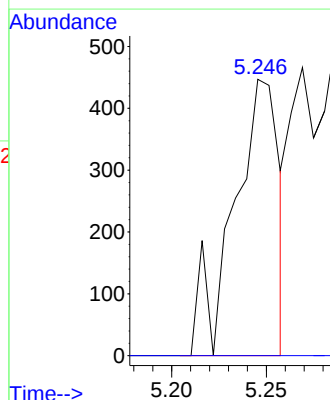
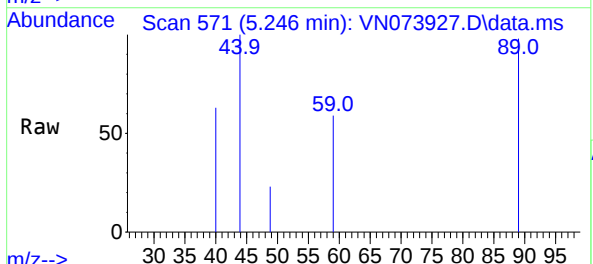
Instrument :
MSVOA_N
ClientSampleId :
S13

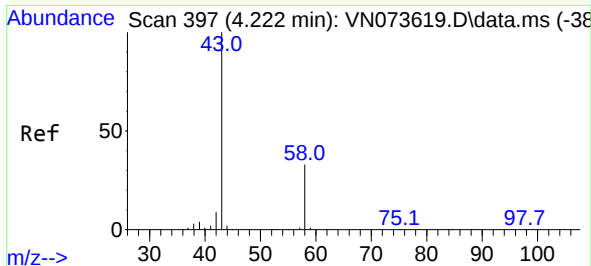
Tgt Ion:168 Resp: 637404
Ion Ratio Lower Upper
168 100
99 49.3 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.538 ug/l
RT: 5.246 min Scan# 571
Delta R.T. -0.046 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

Tgt Ion: 59 Resp: 747
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

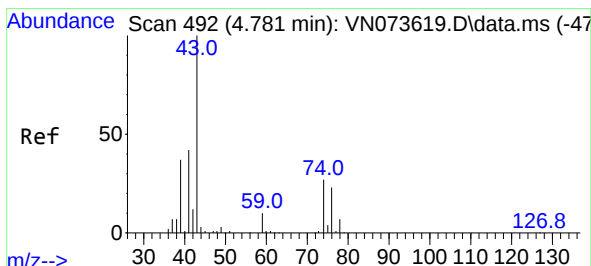
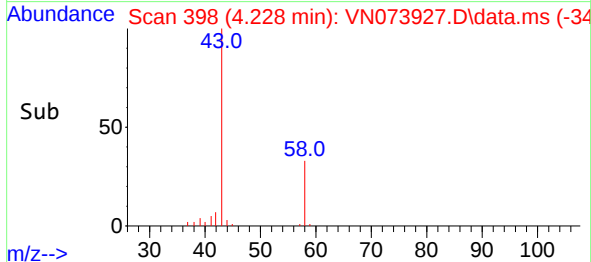
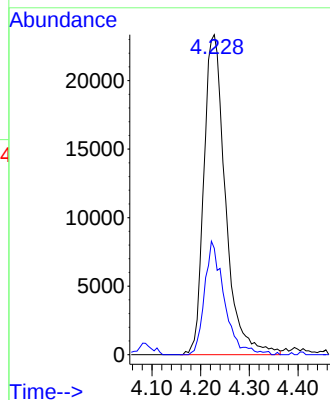
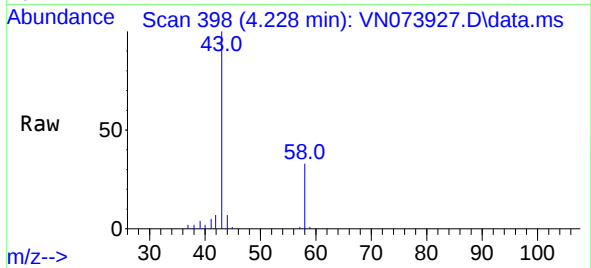




#16
Acetone
Concen: 24.542 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

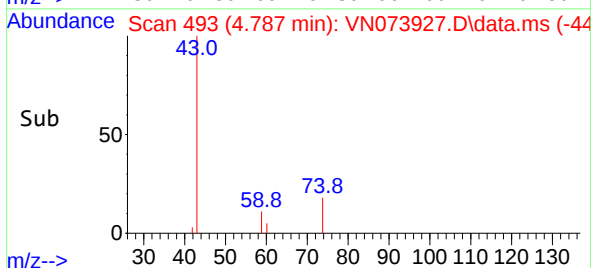
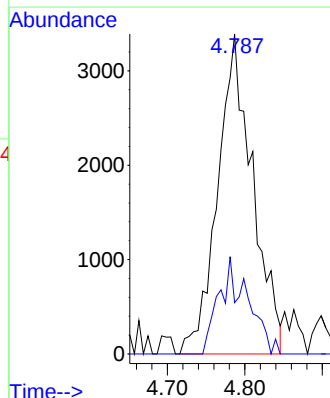
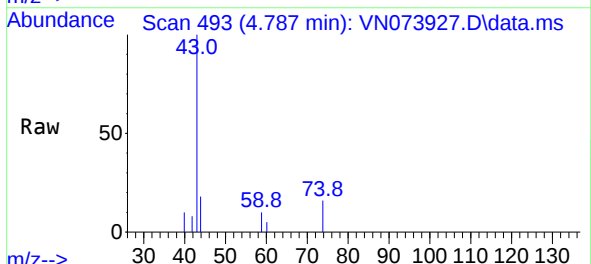
Instrument :
MSVOA_N
ClientSampleId :
S13

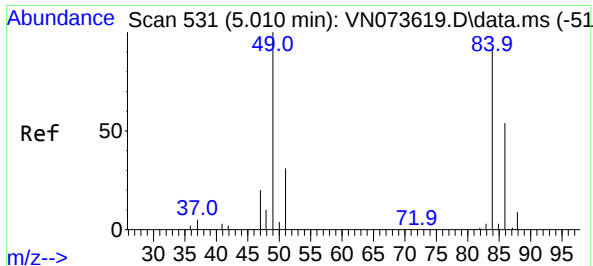
Tgt Ion: 43 Resp: 71884
Ion Ratio Lower Upper
43 100
58 33.3 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

Tgt Ion: 43 Resp: 10619
Ion Ratio Lower Upper
43 100
74 15.3 21.6 32.4#



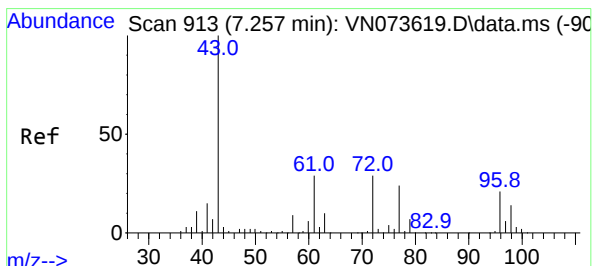
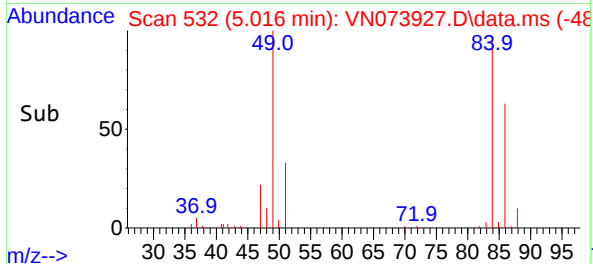
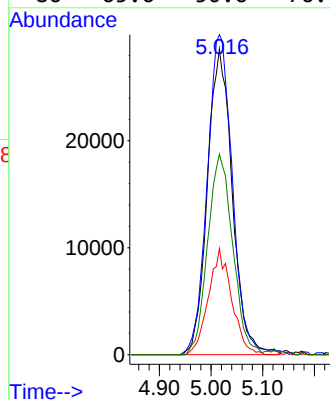
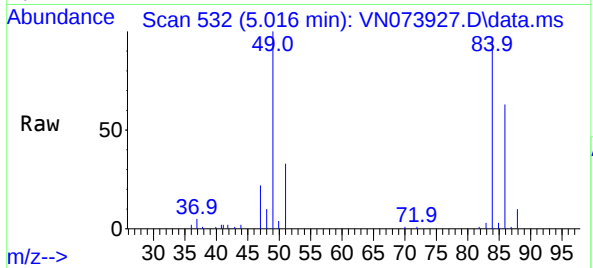


#20
Methylene Chloride
Concen: 15.493 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

Instrument :
MSVOA_N
ClientSampleId :
S13

Tgt Ion: 84 Resp: 95759

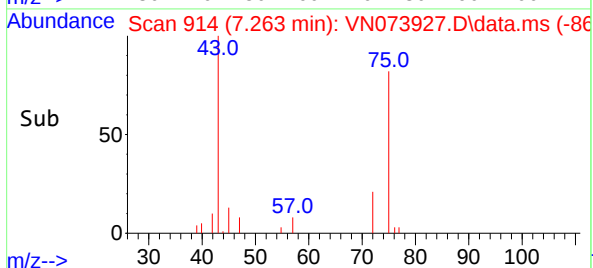
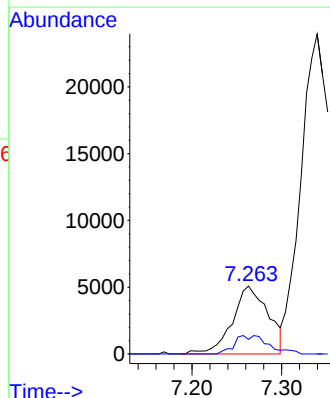
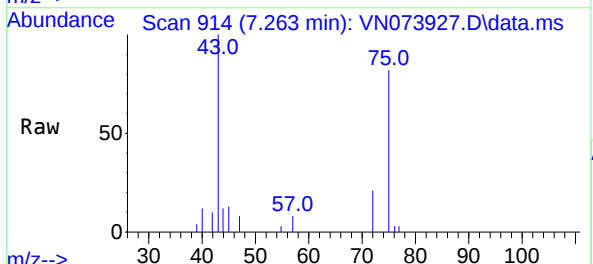
Ion	Ratio	Lower	Upper
84	100		
49	104.7	88.3	132.5
51	34.7	28.2	42.2
86	65.6	50.6	76.0

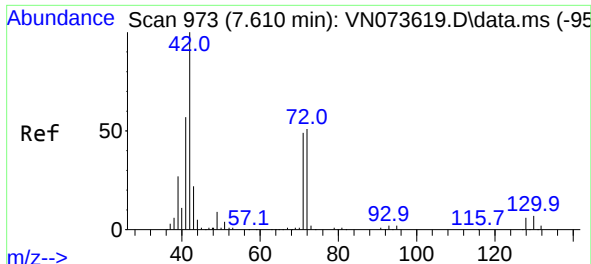


#25
2-Butanone
Concen: 3.035 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

Tgt Ion: 43 Resp: 14095

Ion	Ratio	Lower	Upper
43	100		
72	21.4	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.308 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN073927.D

Acq: 16 Aug 2022 04:57

Instrument :

MSVOA_N

ClientSampleId :

S13

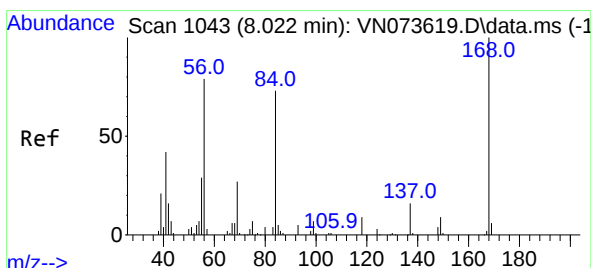
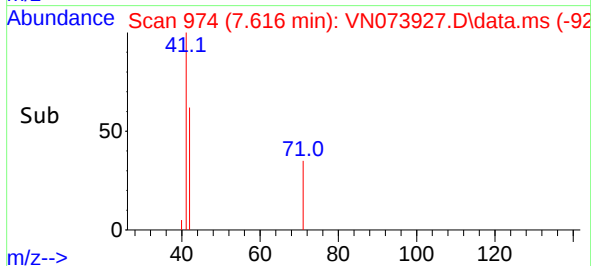
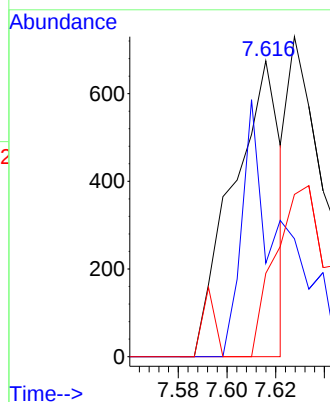
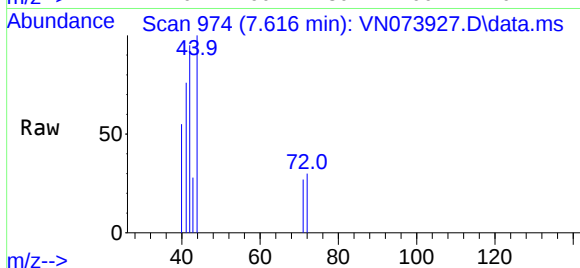
Tgt Ion: 42 Resp: 917

Ion Ratio Lower Upper

42 100

72 73.2 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.159 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073927.D

Acq: 16 Aug 2022 04:57

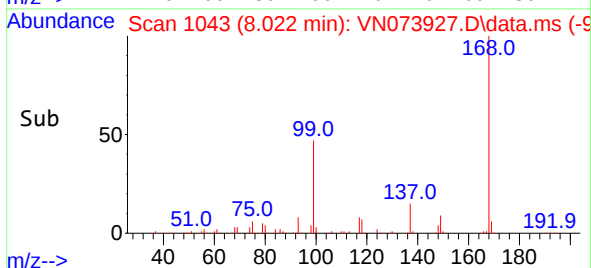
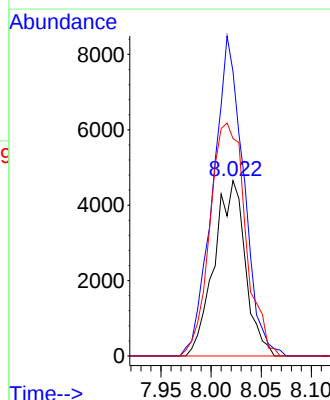
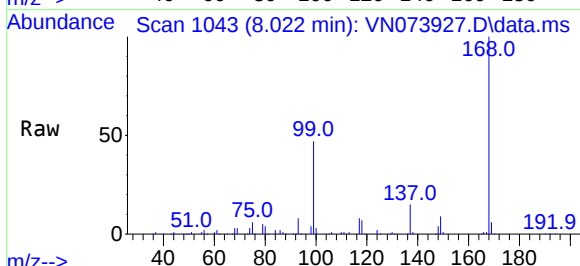
Tgt Ion: 56 Resp: 10034

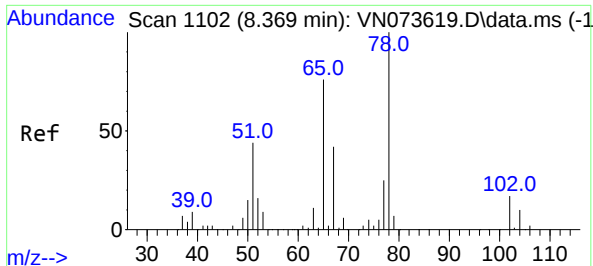
Ion Ratio Lower Upper

56 100

69 162.2 27.8 41.8#

84 124.1 76.9 115.3#

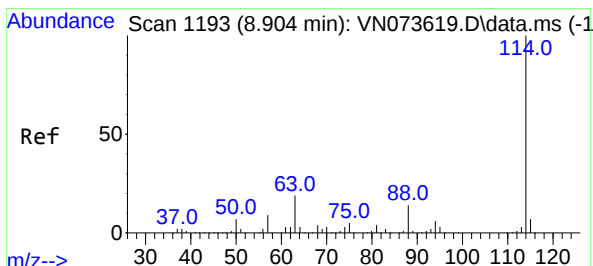
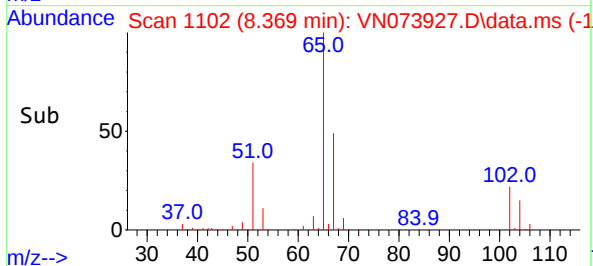
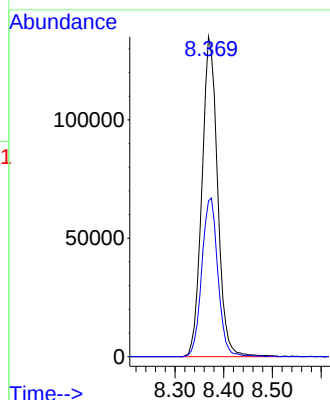
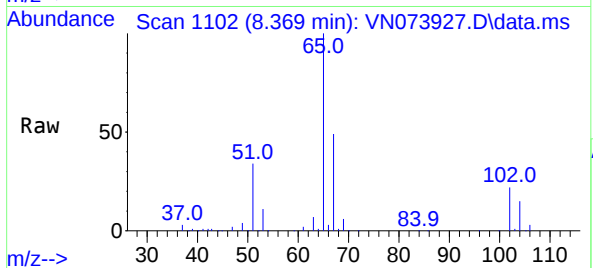




#33
1,2-Dichloroethane-d4
Concen: 48.778 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

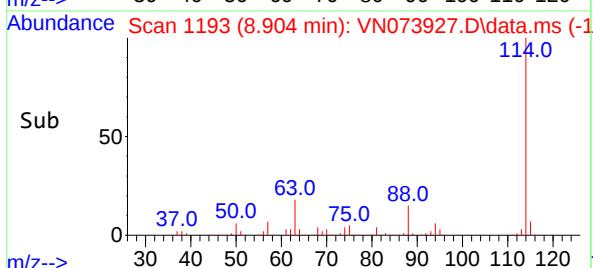
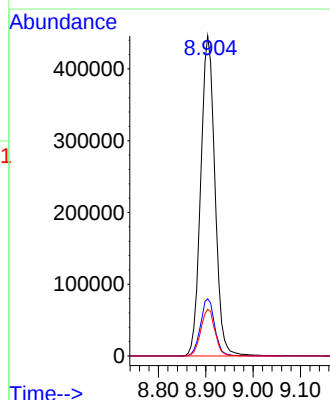
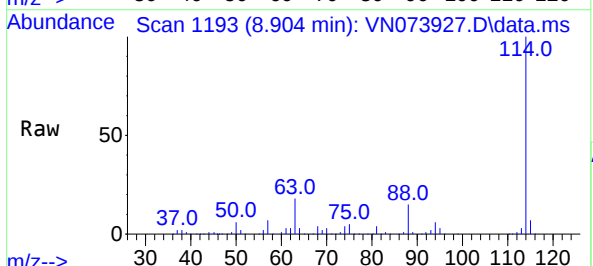
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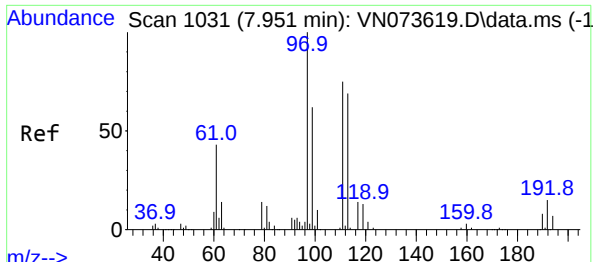
Tgt Ion: 65 Resp: 302825
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

Tgt Ion: 114 Resp: 927562
Ion Ratio Lower Upper
114 100
63 17.9 0.0 40.0
88 14.5 0.0 32.6

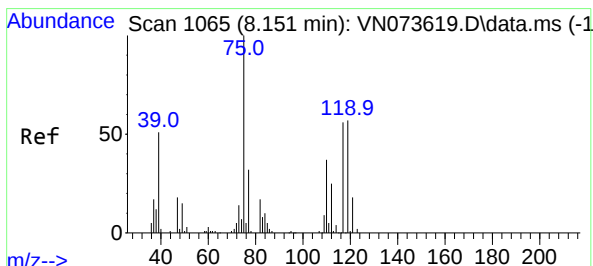
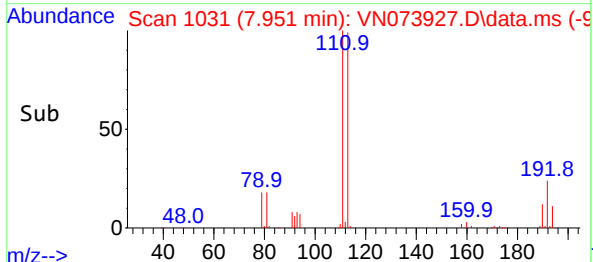
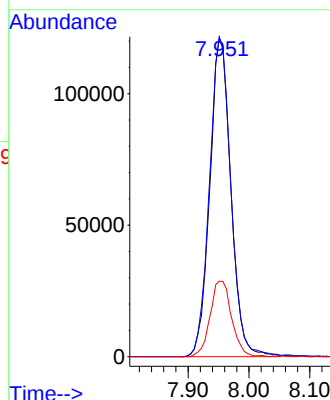
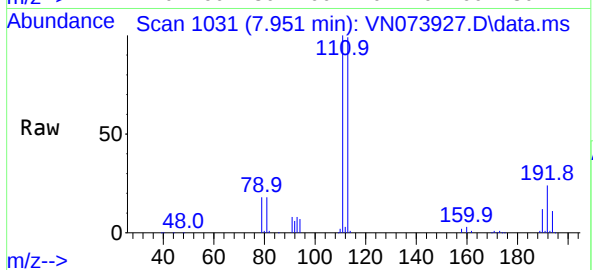




#35
Dibromofluoromethane
Concen: 53.135 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

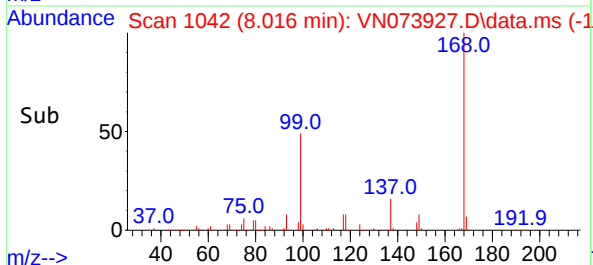
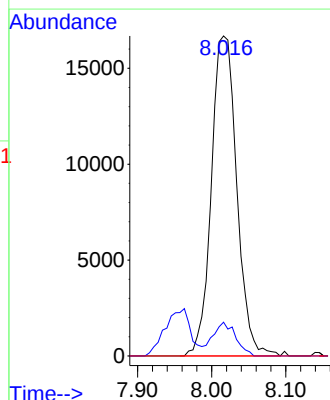
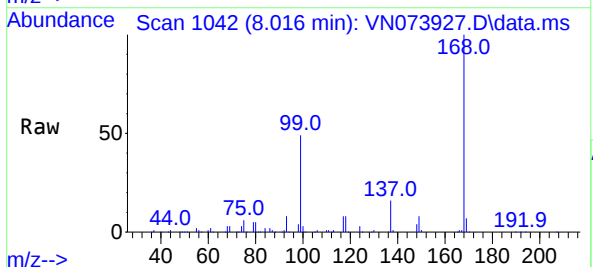
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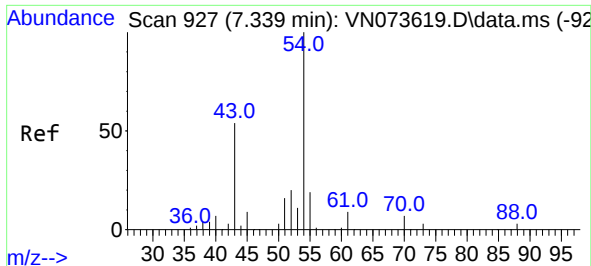
Tgt Ion:113 Resp: 291470
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.0
192 24.2 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.225 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

Tgt Ion: 75 Resp: 39809
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 25.1 37.7#

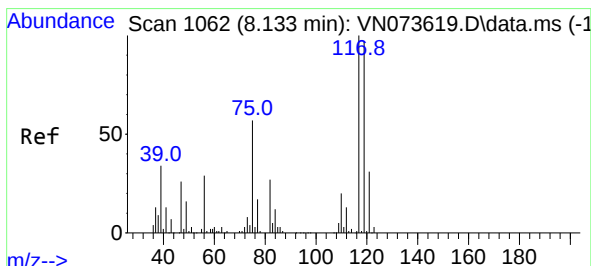
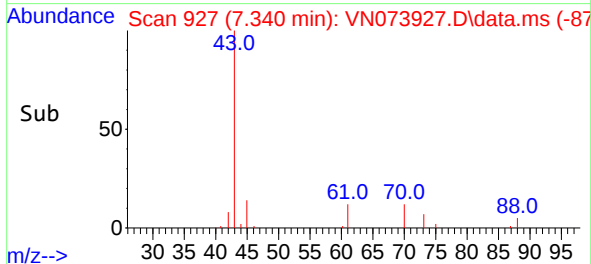
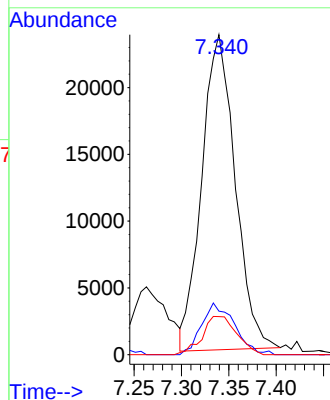
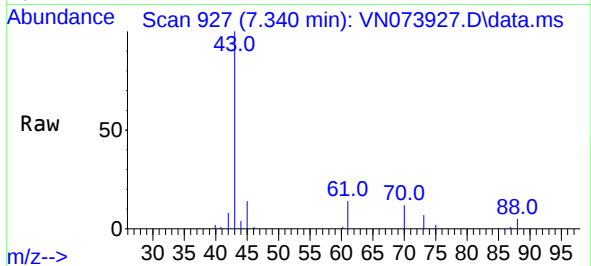




#37
Ethyl Acetate
Concen: 6.273 ug/l
RT: 7.340 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

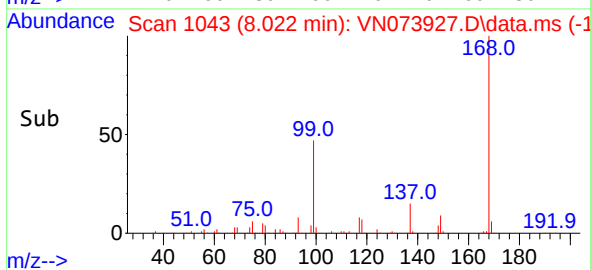
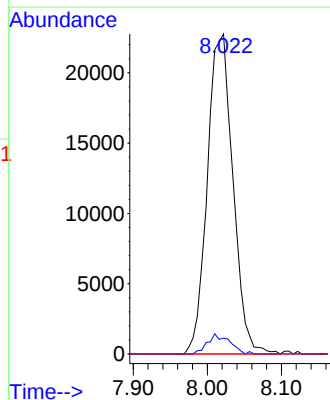
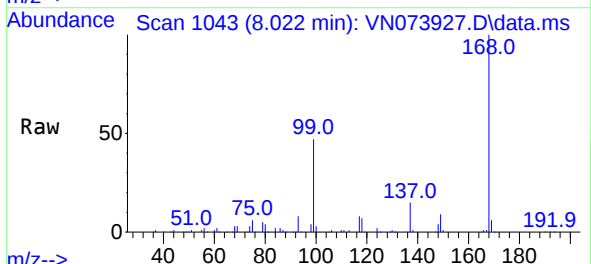
Instrument :
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ClientSampleId :
S13

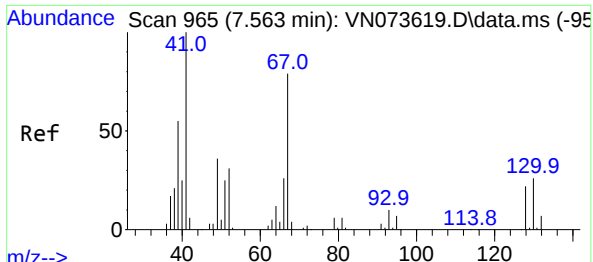
Tgt Ion:	43	Resp:	57905
Ion	Ratio	Lower	Upper
43	100		
61	16.2	11.8	17.6
70	12.5	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.273 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

Tgt Ion:	117	Resp:	54628
Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.8	113.8#
121	0.0	24.6	37.0#

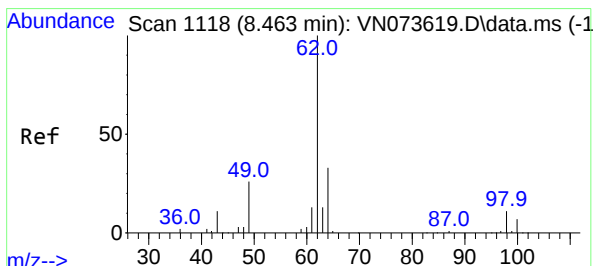
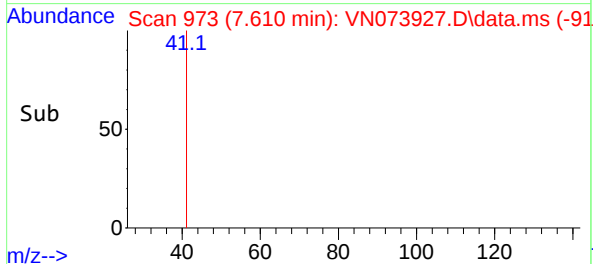
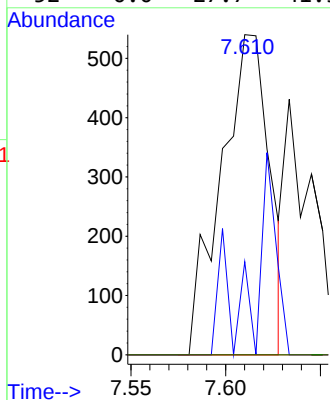
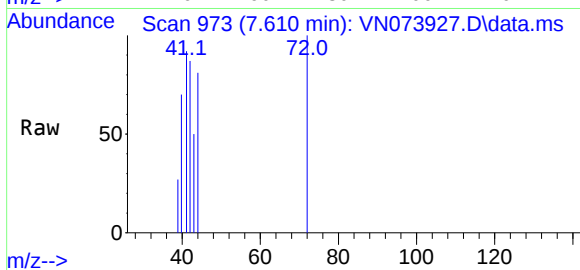




#41
Methacrylonitrile
Concen: 0.231 ug/l
RT: 7.610 min Scan# 91
Delta R.T. 0.047 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

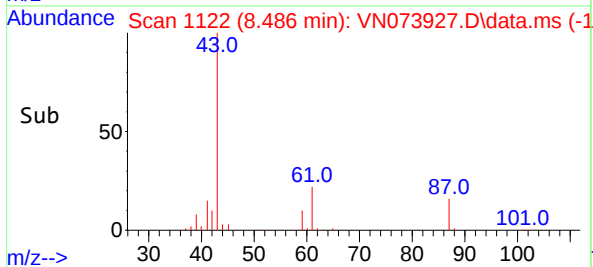
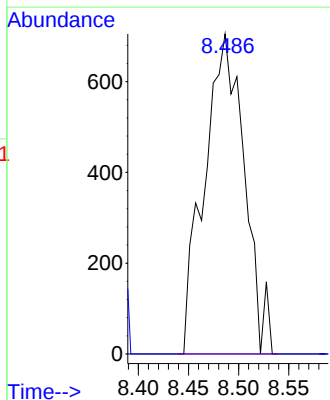
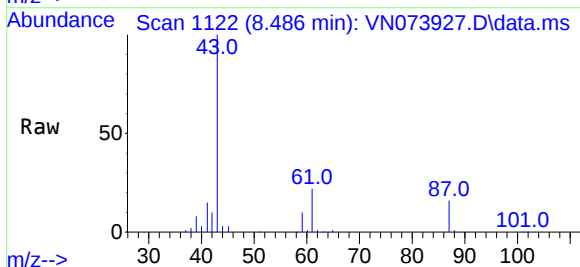
Instrument :
MSVOA_N
ClientSampleId :
S13

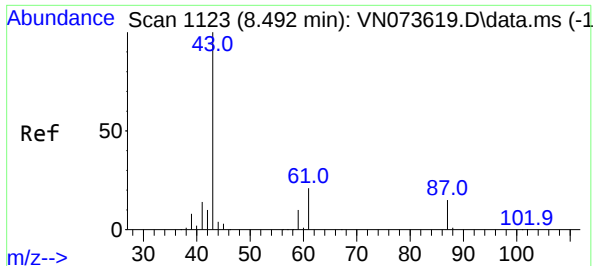
Tgt Ion:	41	Resp:	963
Ion	Ratio	Lower	Upper
41	100		
39	23.8	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#42
1,2-Dichloroethane
Concen: 0.236 ug/l
RT: 8.486 min Scan# 1122
Delta R.T. 0.023 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

Tgt Ion:	62	Resp:	1954
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.4

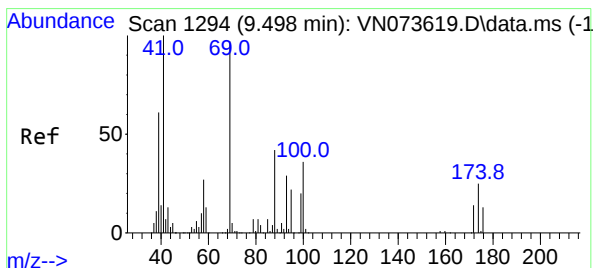
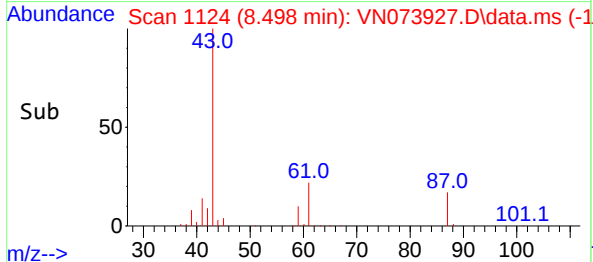
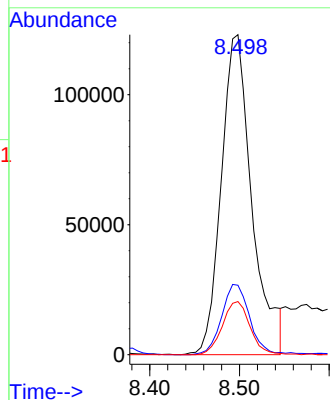
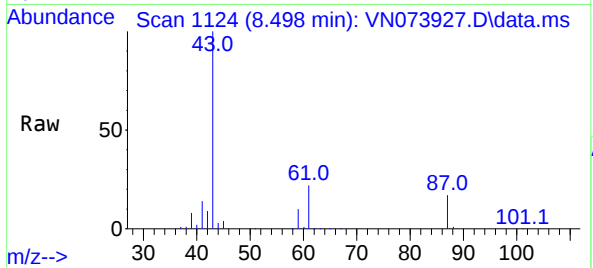




#43
Isopropyl Acetate
Concen: 22.234 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

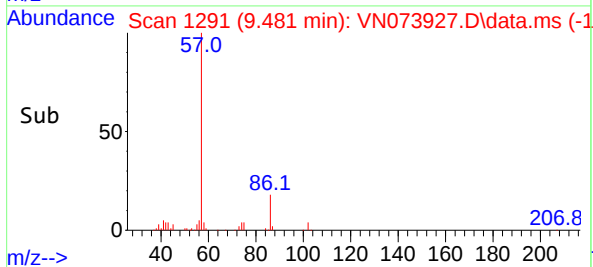
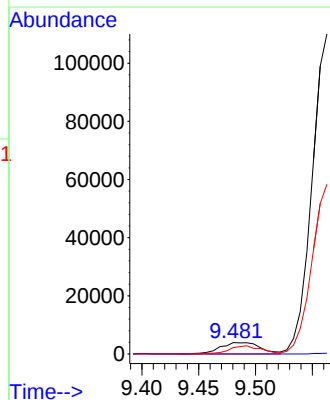
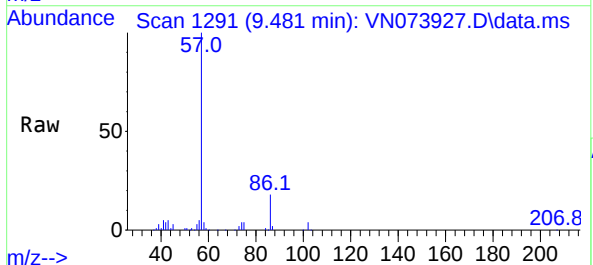
Instrument :
MSVOA_N
ClientSampleId :
S13

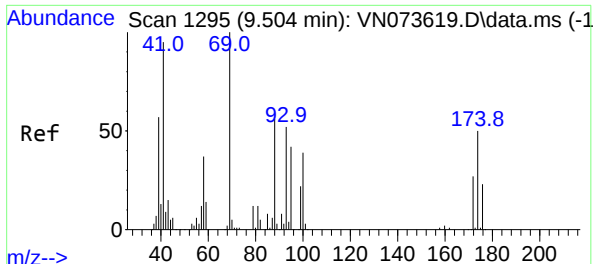
Tgt Ion: 43 Resp: 292375
Ion Ratio Lower Upper
43 100
61 20.3 21.9 32.9#
87 15.0 12.0 18.0



#48
Methyl methacrylate
Concen: 1.709 ug/l
RT: 9.481 min Scan# 1291
Delta R.T. -0.017 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

Tgt Ion: 41 Resp: 9615
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 57.4 45.6 68.4

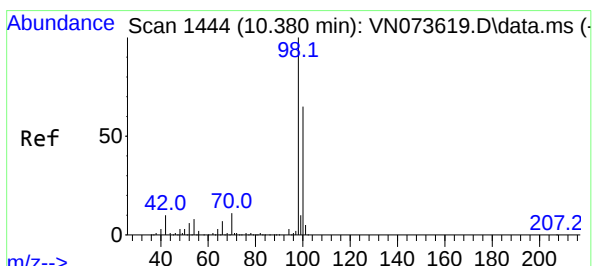
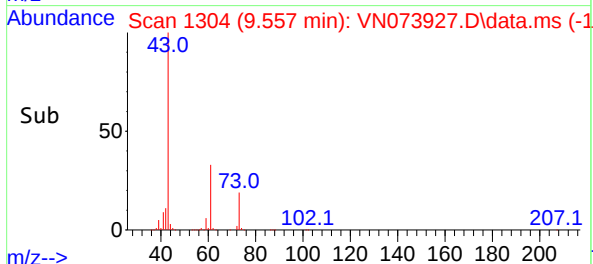
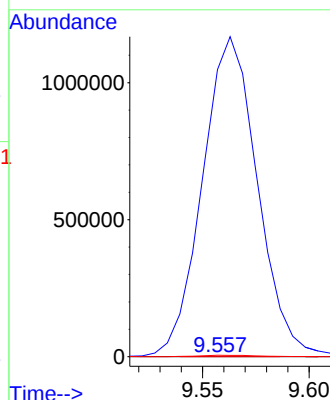
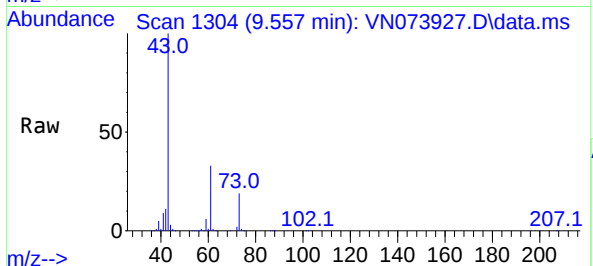




#49
1,4-Dioxane
Concen: 2.522 ug/l
RT: 9.557 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

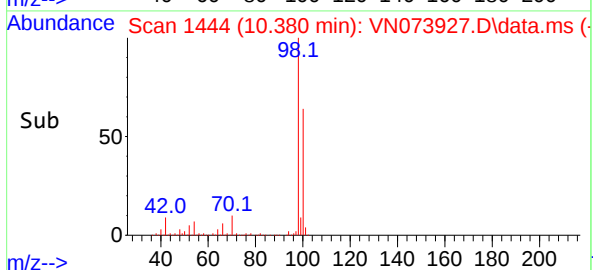
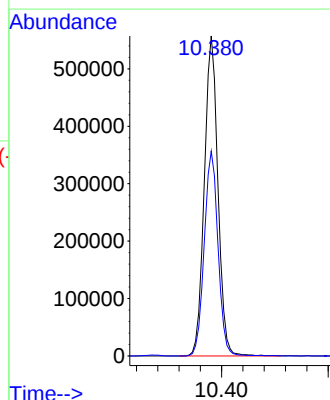
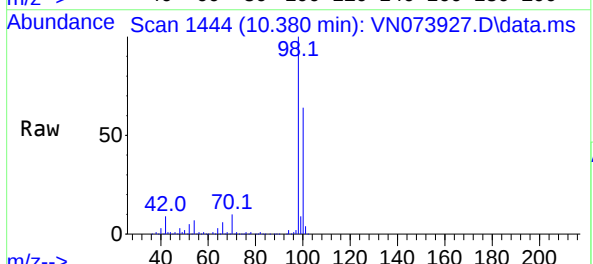
Instrument :
MSVOA_N
ClientSampleId :
S13

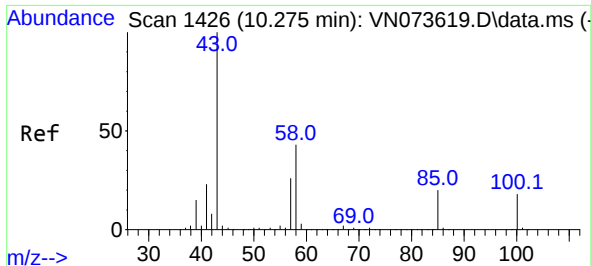
Tgt Ion: 88 Resp: 422
Ion Ratio Lower Upper
88 100
43 500043.8 20.2 30.4#
58 2360.7 54.2 81.4#



#50
Toluene-d8
Concen: 46.493 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

Tgt Ion: 98 Resp: 987740
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

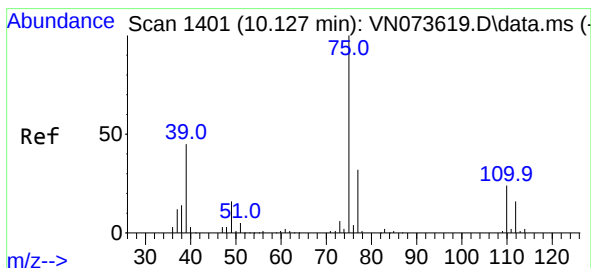
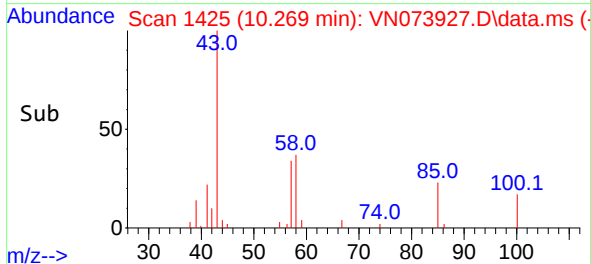
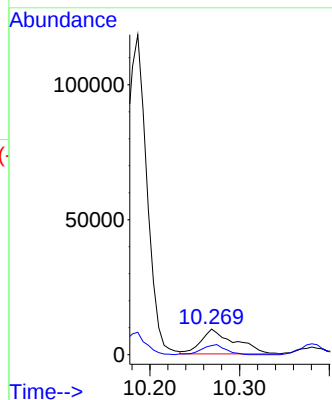
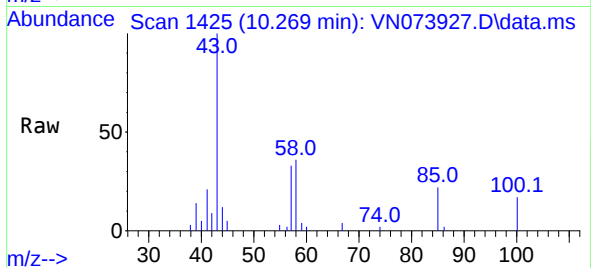




#51
4-Methyl-2-Pentanone
Concen: 2.680 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

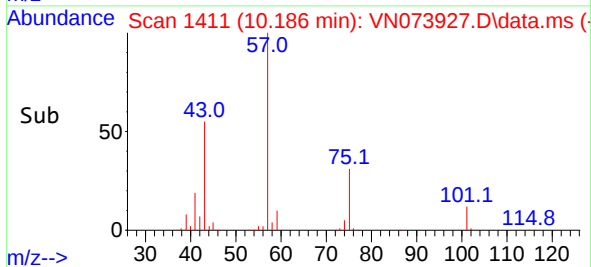
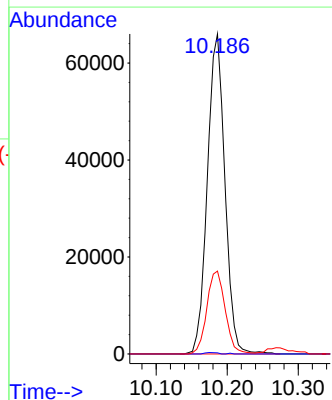
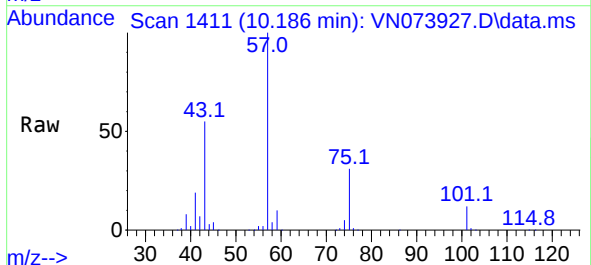
Instrument :
MSVOA_N
ClientSampleId :
S13

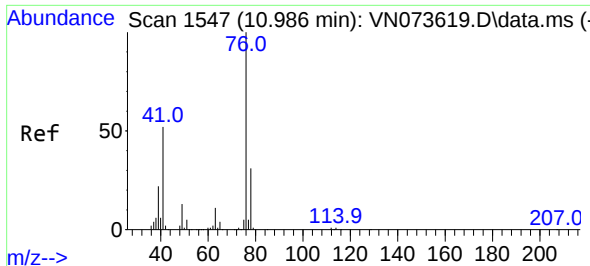
Tgt Ion: 43 Resp: 23828
Ion Ratio Lower Upper
43 100
58 28.9 34.1 51.1#



#54
cis-1,3-Dichloropropene
Concen: 11.786 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

Tgt Ion: 75 Resp: 113340
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: 1.212 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN073927.D

Acq: 16 Aug 2022 04:57

Instrument :

MSVOA_N

ClientSampleId :

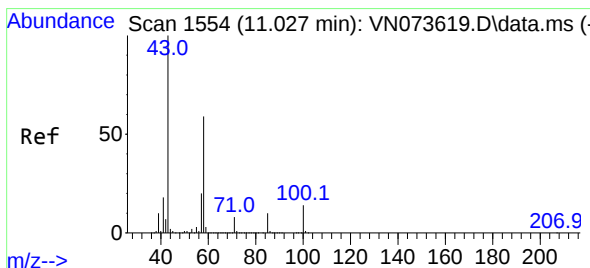
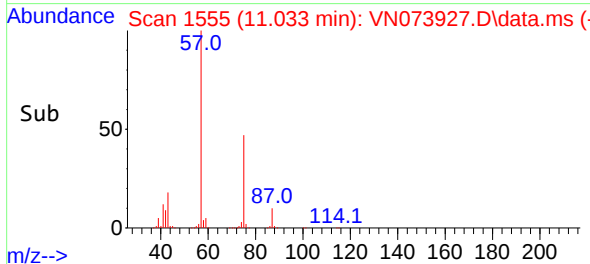
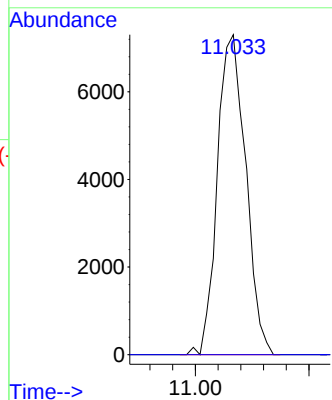
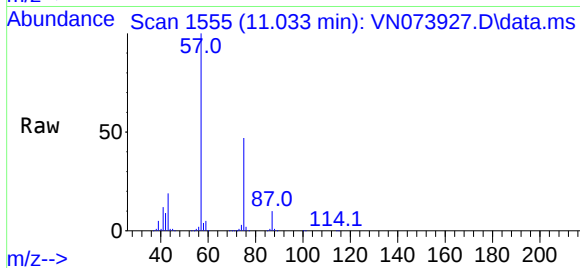
S13

Tgt Ion: 76 Resp: 12645

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 17.109 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073927.D

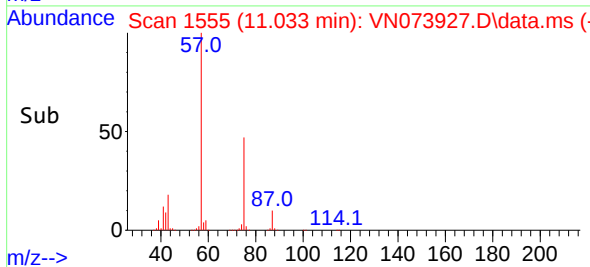
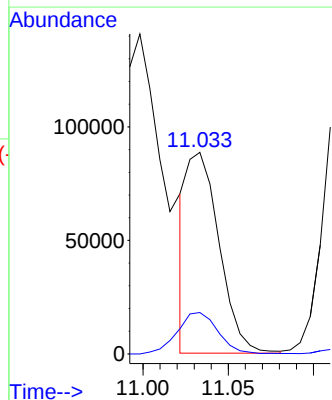
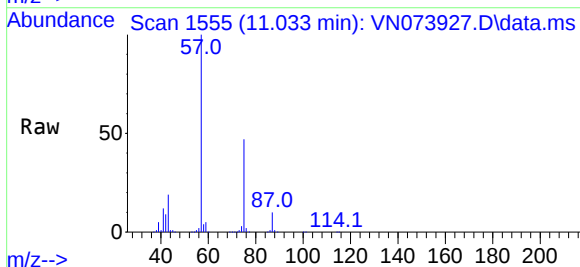
Acq: 16 Aug 2022 04:57

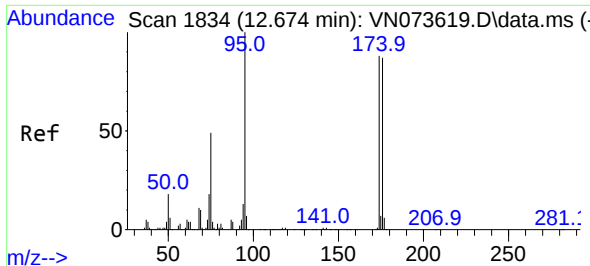
Tgt Ion: 43 Resp: 117063

Ion Ratio Lower Upper

43 100

58 26.2 29.7 89.1#

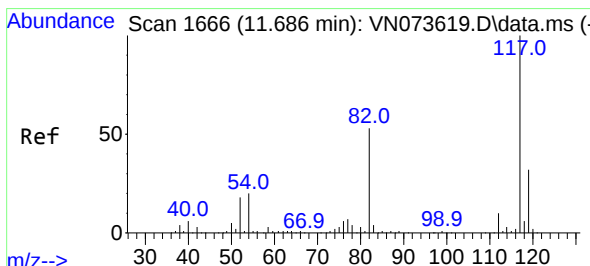
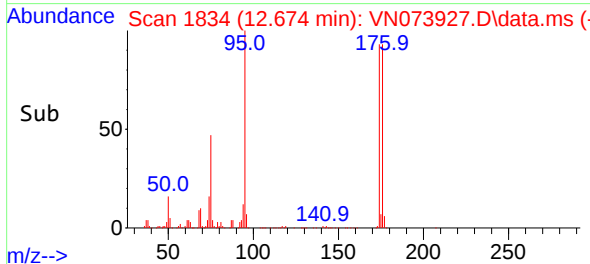
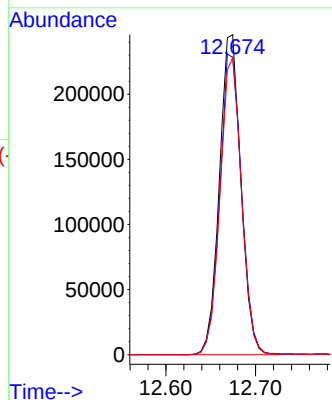
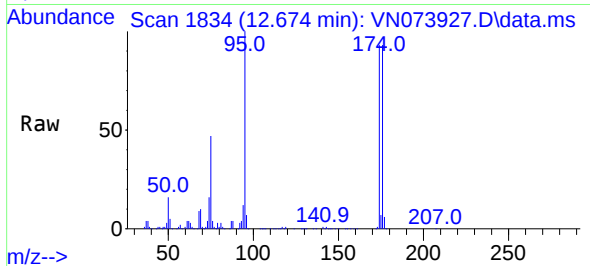




#62
4-Bromofluorobenzene
Concen: 57.747 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

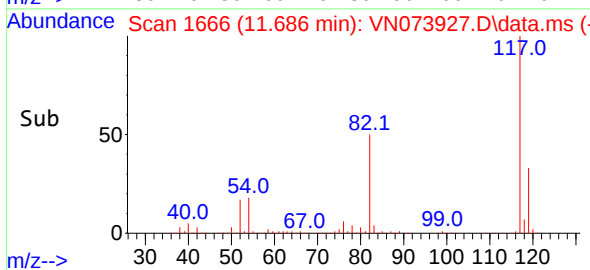
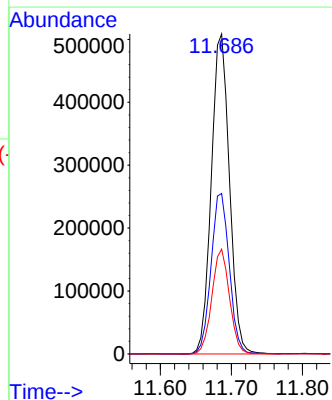
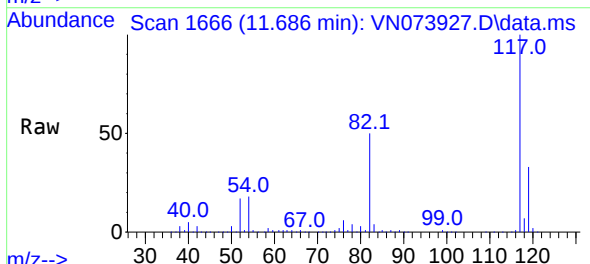
Instrument :
MSVOA_N
ClientSampleId :
S13

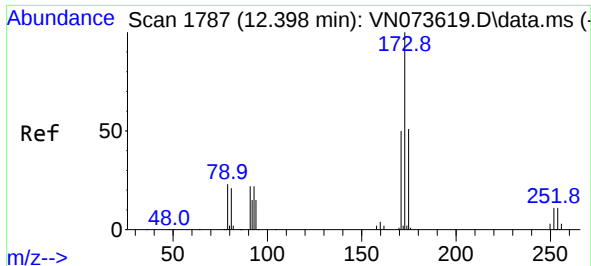
Tgt Ion: 95 Resp: 407161
Ion Ratio Lower Upper
95 100
174 95.6 0.0 167.6
176 92.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

Tgt Ion: 117 Resp: 900137
Ion Ratio Lower Upper
117 100
82 50.2 44.2 66.2
119 32.7 25.4 38.0

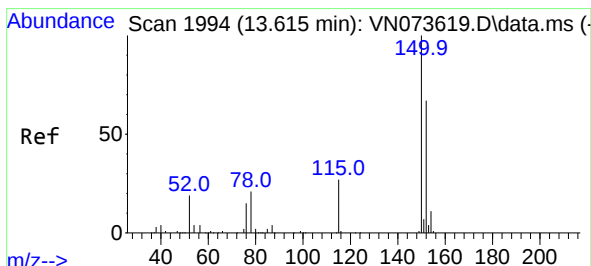
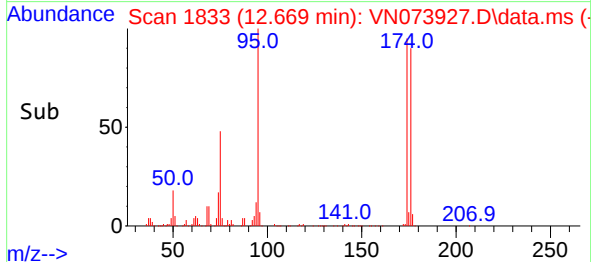
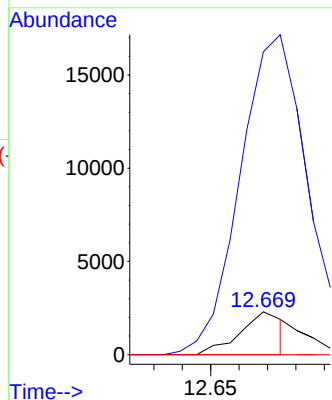
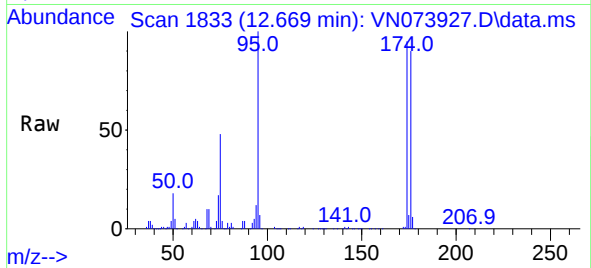




#71
Bromoform
Concen: 0.374 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

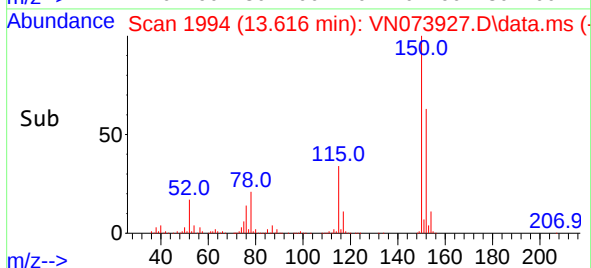
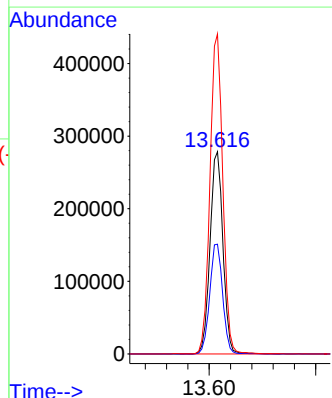
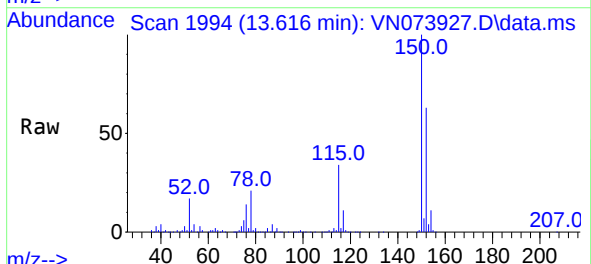
Instrument :
MSVOA_N
ClientSampleId :
S13

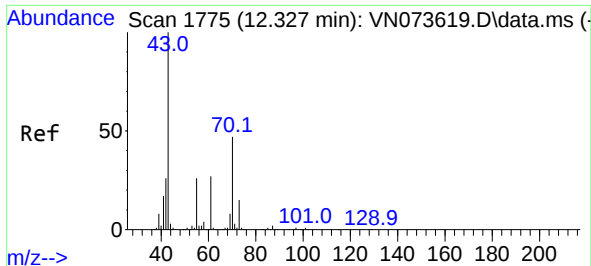
Tgt Ion:173 Resp: 2417
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

Tgt Ion:152 Resp: 468037
Ion Ratio Lower Upper
152 100
115 54.5 28.9 86.7
150 156.9 0.0 356.2

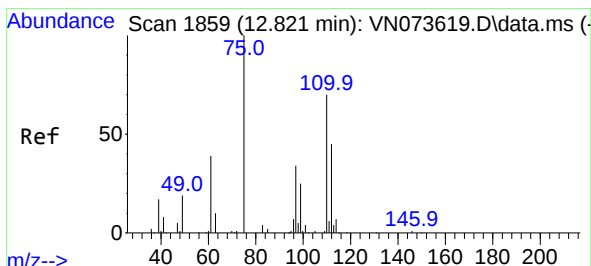
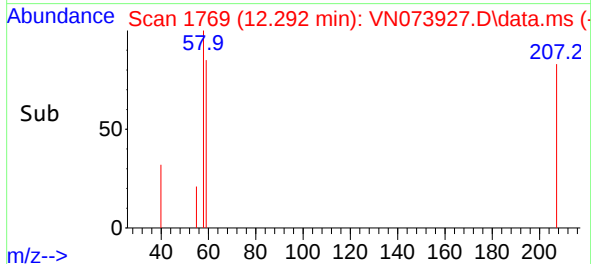
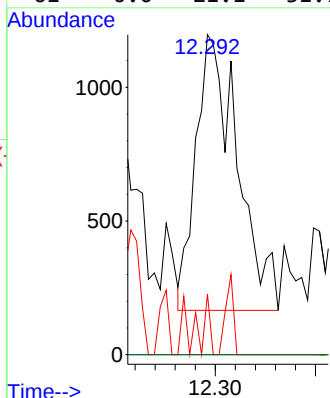
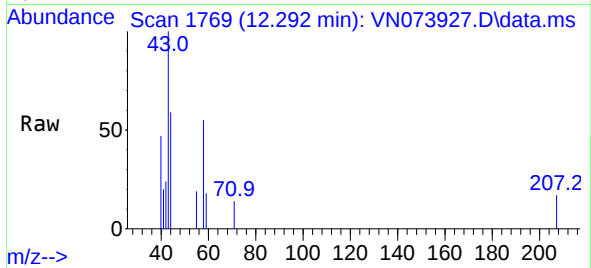




#74
N-amy1 acetate
Concen: 0.230 ug/l
RT: 12.292 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

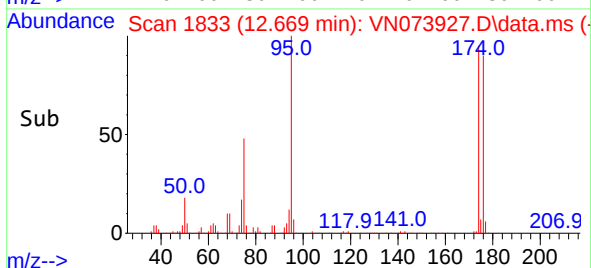
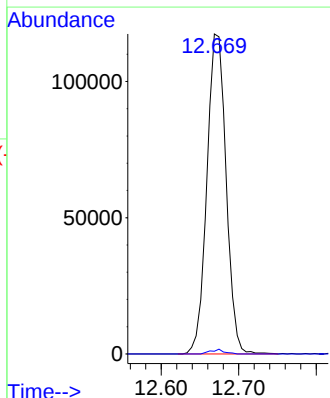
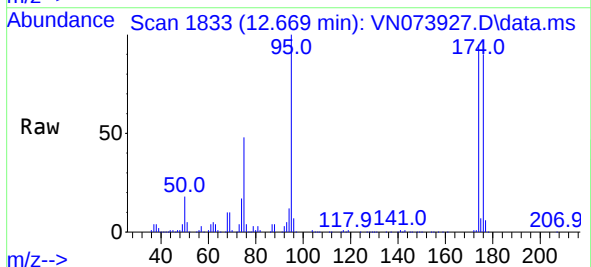
Instrument :
MSVOA_N
ClientSampleId :
S13

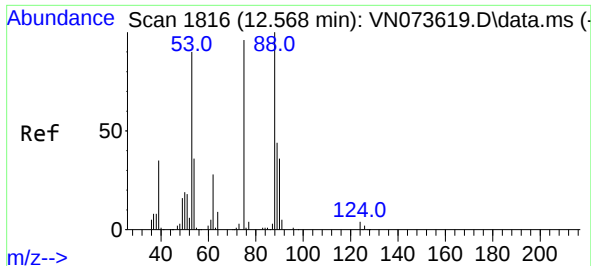
Tgt Ion:	43	Resp:	2967
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	0.0	21.1	31.7#
61	0.0	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 20.805 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN073927.D
Acq: 16 Aug 2022 04:57

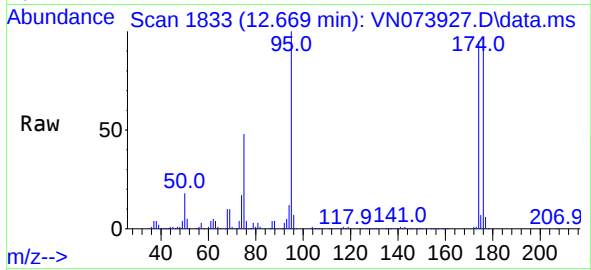
Tgt Ion:	75	Resp:	202394
Ion	Ratio	Lower	Upper
75	100		
77	1.0	98.5	295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.174 ug/l
 RT: 12.669 min Scan# 11
 Delta R.T. 0.101 min
 Lab File: VN073927.D
 Acq: 16 Aug 2022 04:57

Instrument :
 MSVOA_N
 ClientSampleId :
 S13



Tgt Ion: 75 Resp: 202394
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

