

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073930.D
 Acq On : 16 Aug 2022 06:11
 Operator : JC\MD
 Sample : N4200-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S5

Quant Time: Aug 16 07:17:50 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)

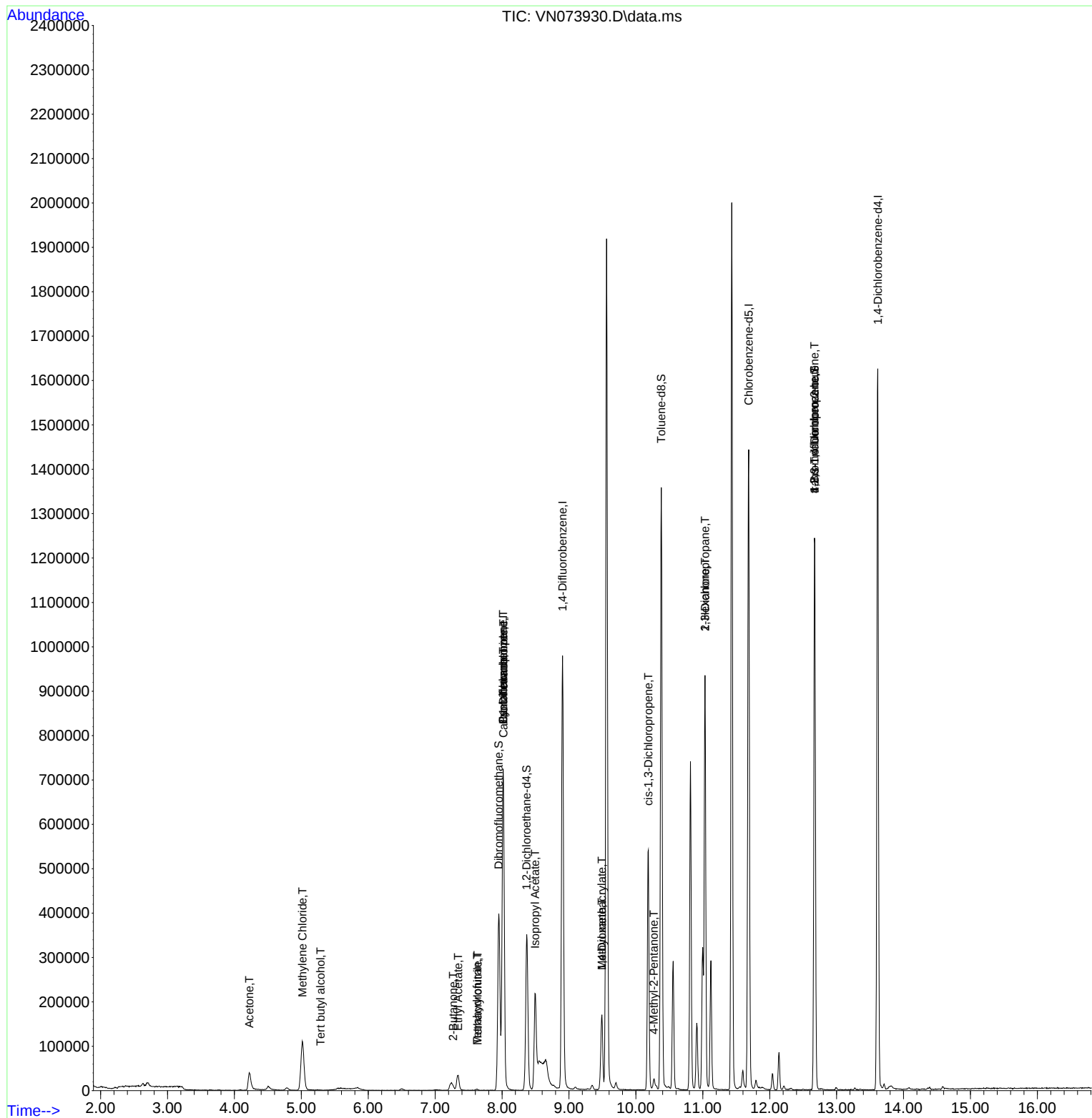
Internal Standards						
1) Pentafluorobenzene	8.016	168	634848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	928576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	910032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	484680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	297003	48.032	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.060%
35) Dibromofluoromethane	7.951	113	292394	53.245	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.480%
50) Toluene-d8	10.380	98	975035	45.845	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.680%
62) 4-Bromofluorobenzene	12.668	95	410968	58.223	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	116.440%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.287	59	1171	0.847	ug/l #	72
16) Acetone	4.222	43	72332	24.795	ug/l	94
18) Methyl Acetate	4.781	43	12051	Below Cal		94
20) Methylene Chloride	5.016	84	96439	15.666	ug/l	94
25) 2-Butanone	7.269	43	12765	2.760	ug/l	90
29) Tetrahydrofuran	7.628	42	1857	0.626	ug/l #	84
31) Cyclohexane	8.016	56	9700	1.125	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	38176	5.005	ug/l #	50
37) Ethyl Acetate	7.345	43	52905	5.725	ug/l	98
38) Carbon Tetrachloride	8.022	117	54813	6.287	ug/l #	16
41) Methacrylonitrile	7.633	41	1235	0.296	ug/l #	30
43) Isopropyl Acetate	8.492	43	270231	20.528	ug/l #	90
48) Methyl methacrylate	9.492	41	8577	1.523	ug/l #	38
49) 1,4-Dioxane	9.492	88	66	0.394	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	23112	2.597	ug/l #	81
54) cis-1,3-Dichloropropene	10.186	75	106174	11.029	ug/l #	60
57) 1,3-Dichloropropane	11.033	76	10419	0.998	ug/l #	42
59) 2-Hexanone	11.033	43	102995	15.036	ug/l #	56
76) 1,2,3-Trichloropropane	12.668	75	204126	20.263	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	204126	57.631	ug/l #	10

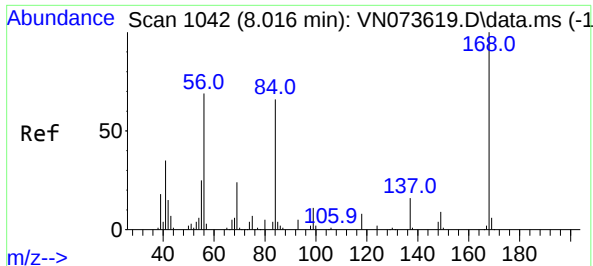
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

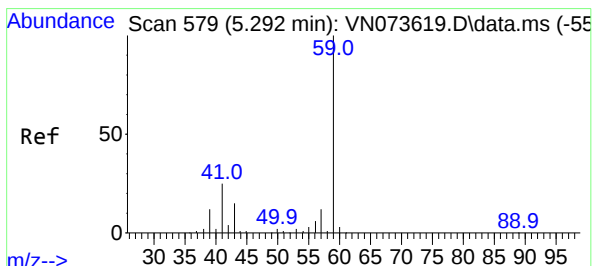
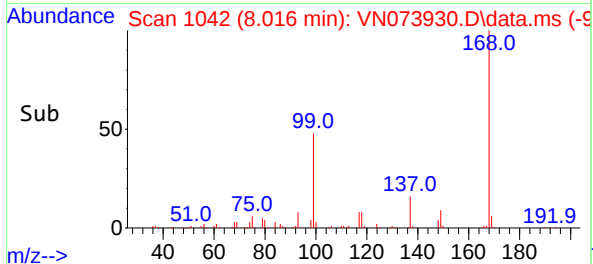
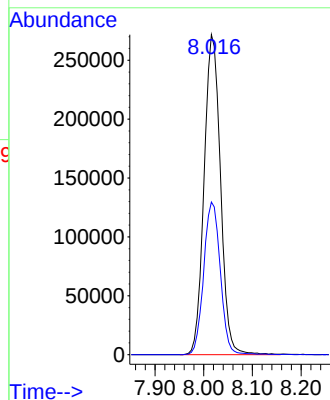
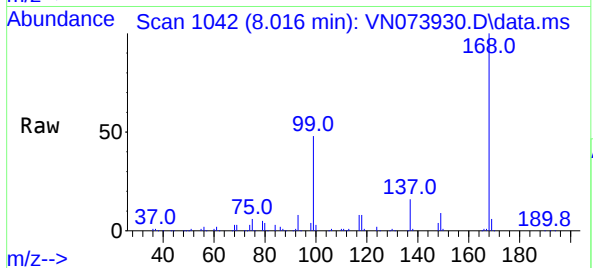




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

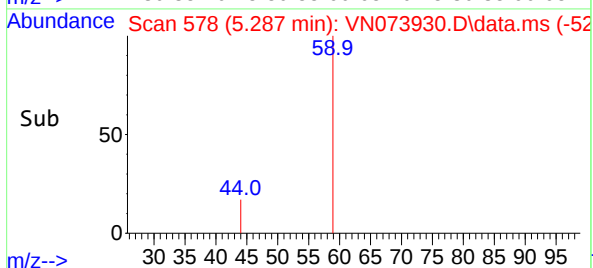
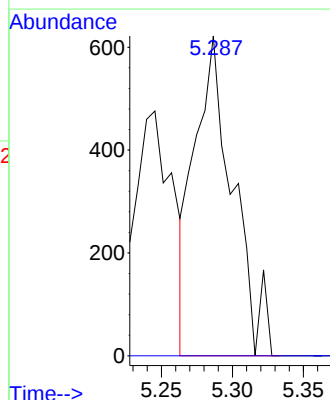
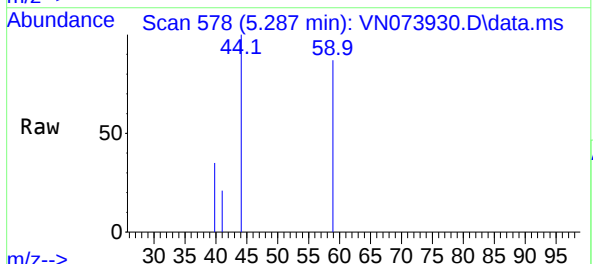
Instrument :
MSVOA_N
ClientSampleId :
S5

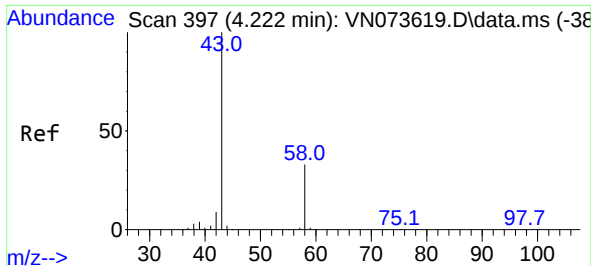
Tgt Ion:168 Resp: 634848
Ion Ratio Lower Upper
168 100
99 47.7 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.847 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Tgt Ion: 59 Resp: 1171
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

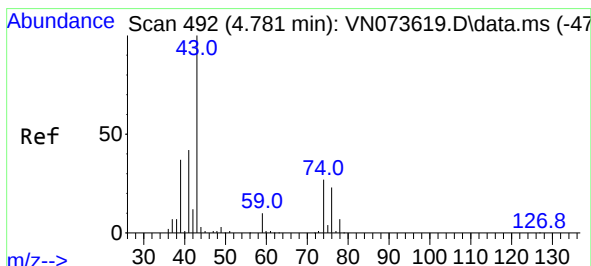
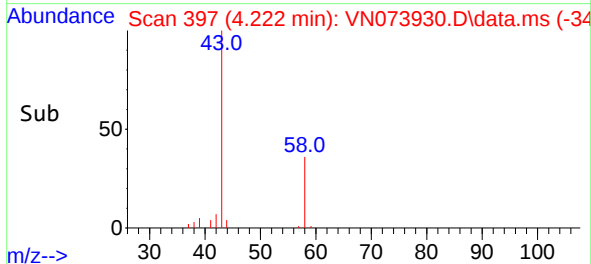
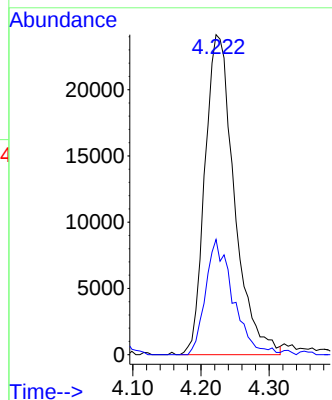
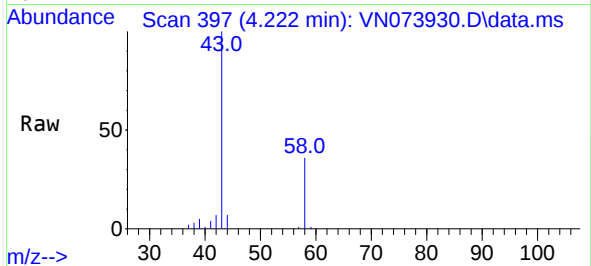




#16
Acetone
Concen: 24.795 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

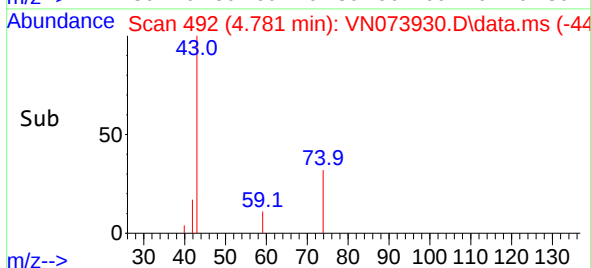
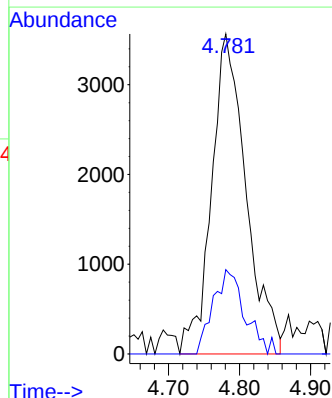
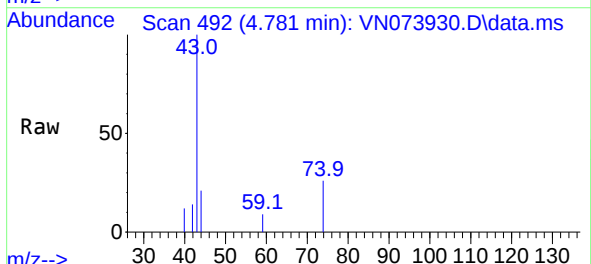
Instrument :
MSVOA_N
ClientSampleId :
S5

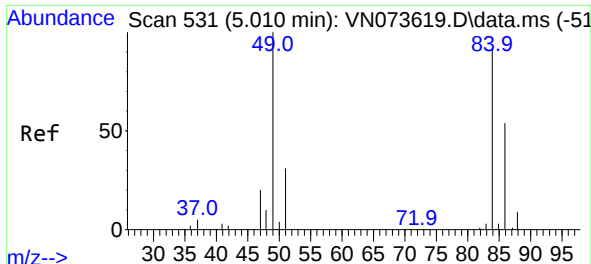
Tgt Ion: 43 Resp: 72332
Ion Ratio Lower Upper
43 100
58 36.0 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Tgt Ion: 43 Resp: 12051
Ion Ratio Lower Upper
43 100
74 24.1 21.6 32.4



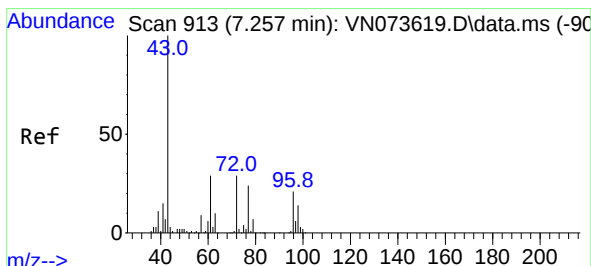
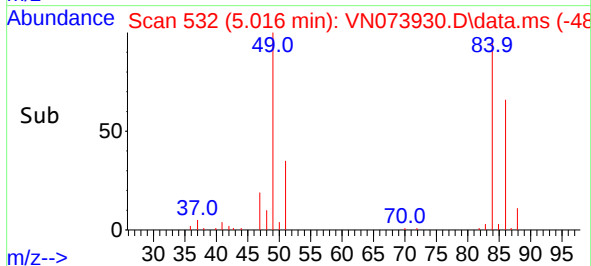
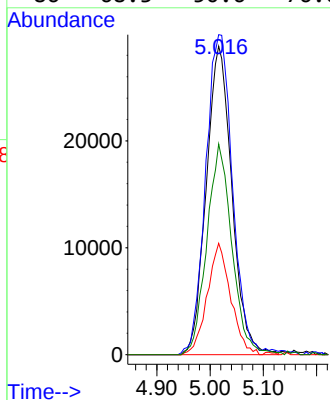
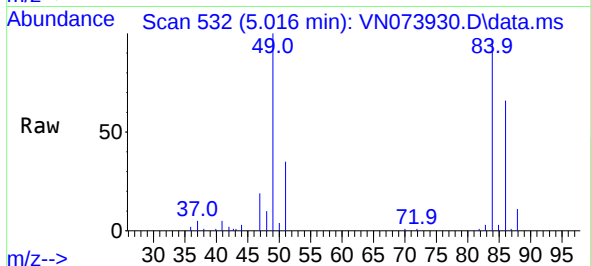


#20
Methylene Chloride
Concen: 15.666 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Instrument :
MSVOA_N
ClientSampleId :
S5

Tgt Ion: 84 Resp: 96439

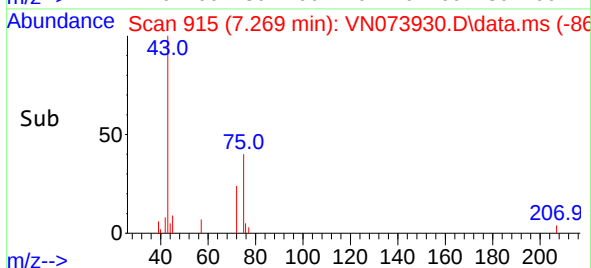
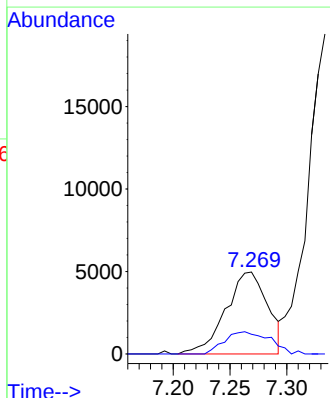
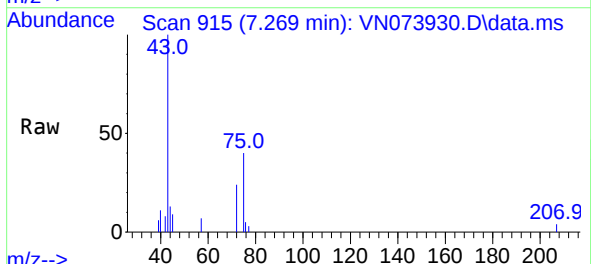
Ion	Ratio	Lower	Upper
84	100		
49	103.7	88.3	132.5
51	36.1	28.2	42.2
86	68.3	50.6	76.0

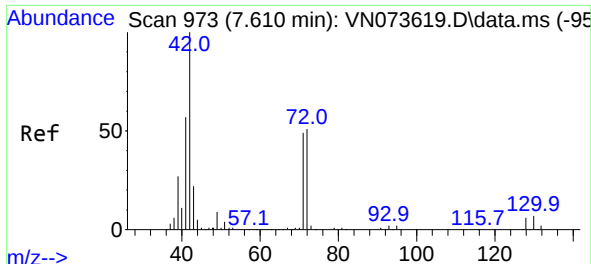


#25
2-Butanone
Concen: 2.760 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Tgt Ion: 43 Resp: 12765

Ion	Ratio	Lower	Upper
43	100		
72	24.1	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.626 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN073930.D

Acq: 16 Aug 2022 06:11

Instrument :

MSVOA_N

ClientSampleId :

S5

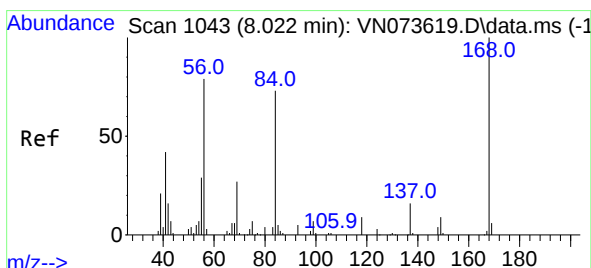
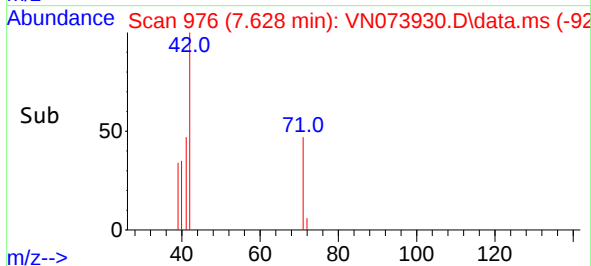
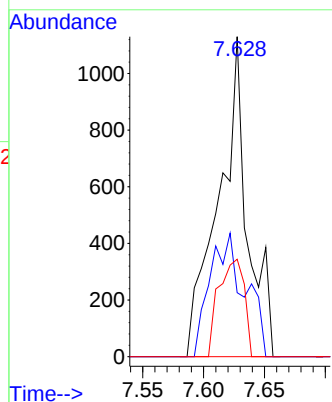
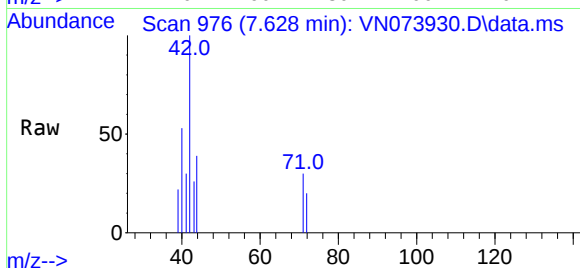
Tgt Ion: 42 Resp: 1857

Ion Ratio Lower Upper

42 100

72 47.0 39.7 59.5

71 27.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.125 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073930.D

Acq: 16 Aug 2022 06:11

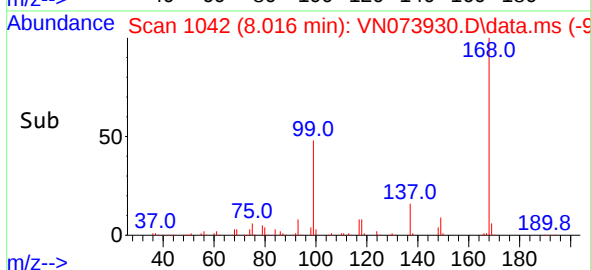
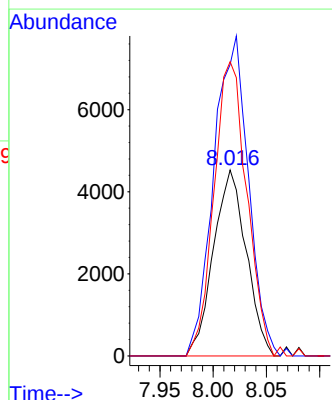
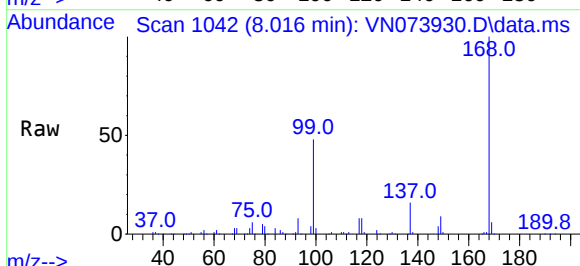
Tgt Ion: 56 Resp: 9700

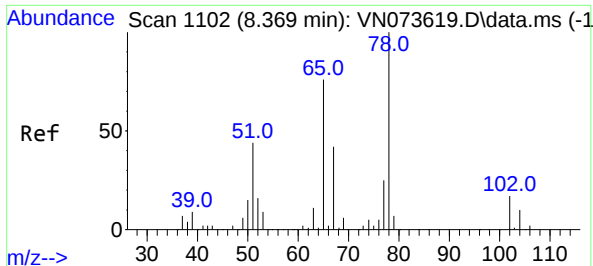
Ion Ratio Lower Upper

56 100

69 156.7 27.8 41.8#

84 158.3 76.9 115.3#

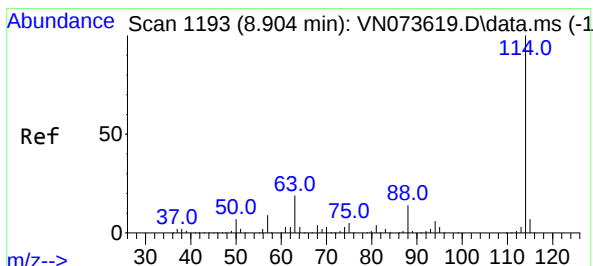
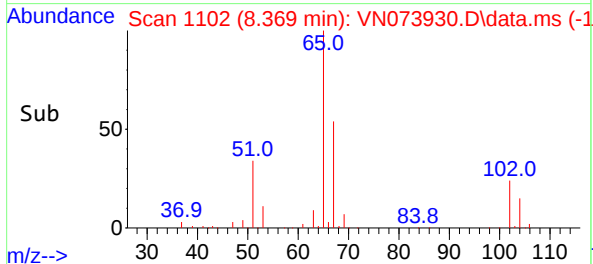
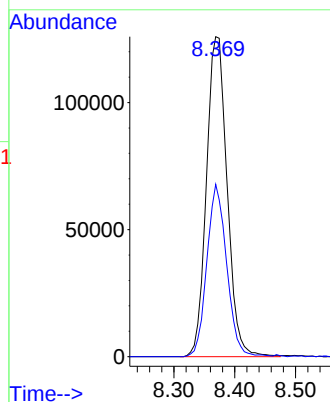
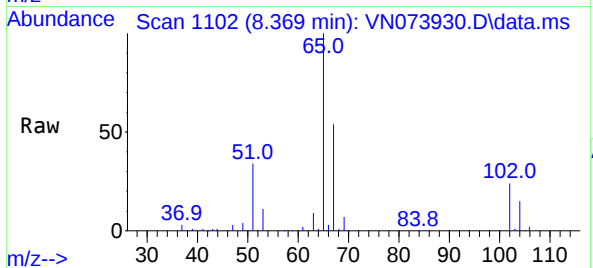




#33
1,2-Dichloroethane-d4
Concen: 48.032 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

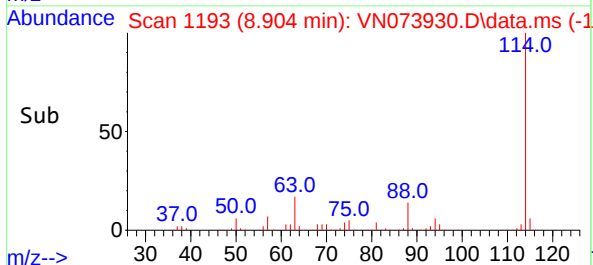
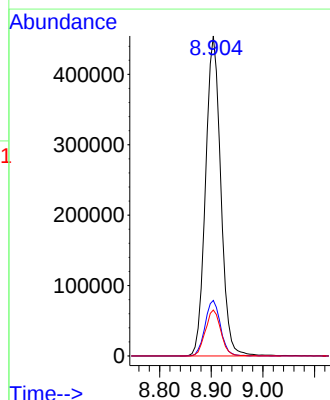
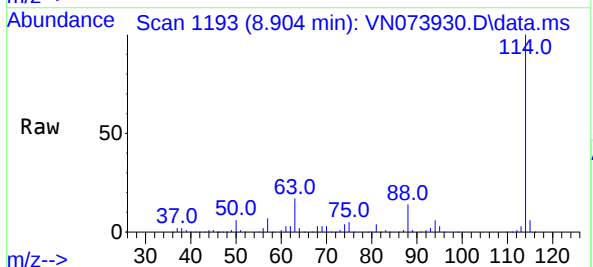
Instrument :
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ClientSampleId :
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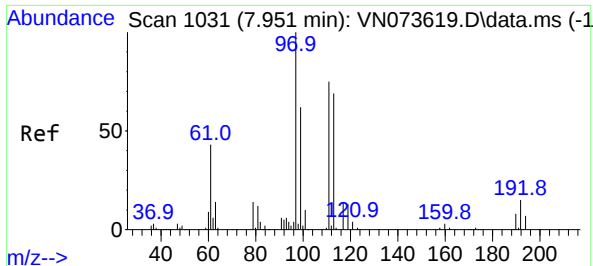
Tgt Ion: 65 Resp: 297003
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Tgt Ion: 114 Resp: 928576
Ion Ratio Lower Upper
114 100
63 17.4 0.0 40.0
88 14.4 0.0 32.6

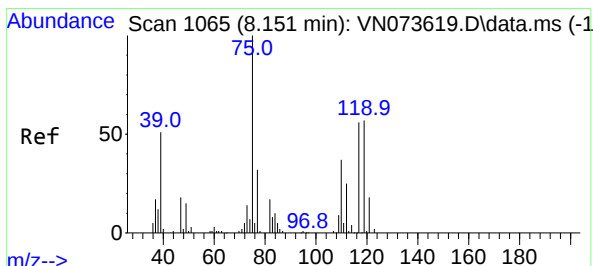
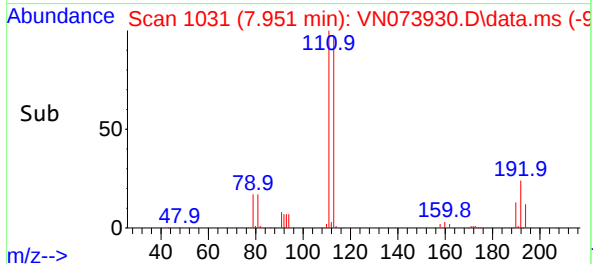
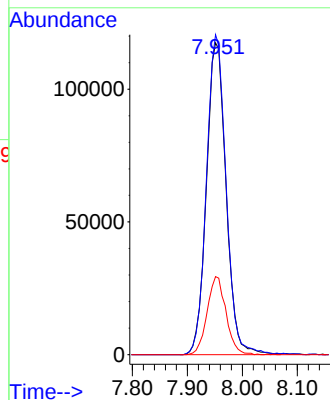
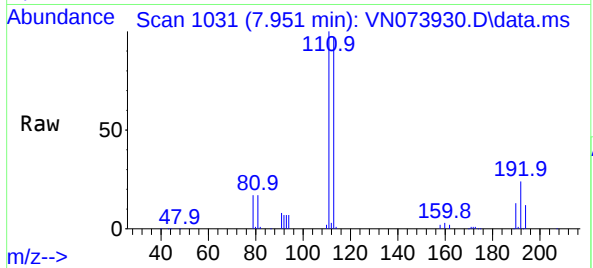




#35
Dibromofluoromethane
Concen: 53.245 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

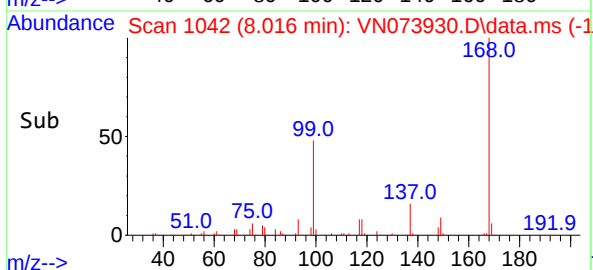
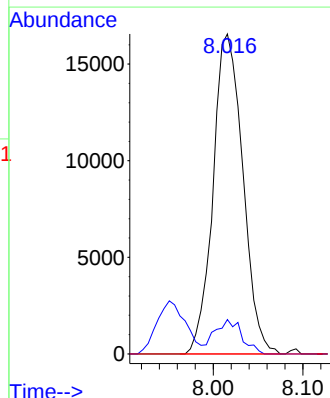
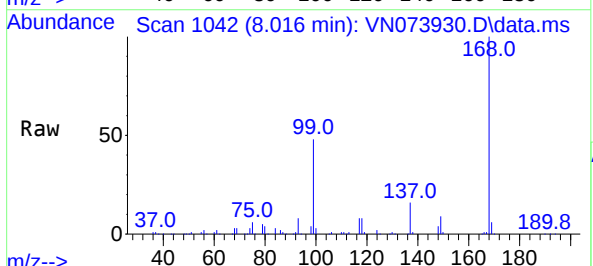
Instrument :
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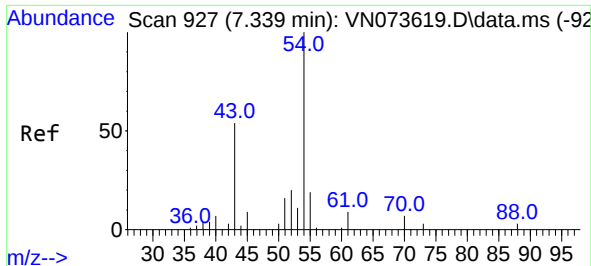
Tgt Ion:113 Resp: 292394
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 24.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.005 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Tgt Ion: 75 Resp: 38176
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 25.1 37.7#

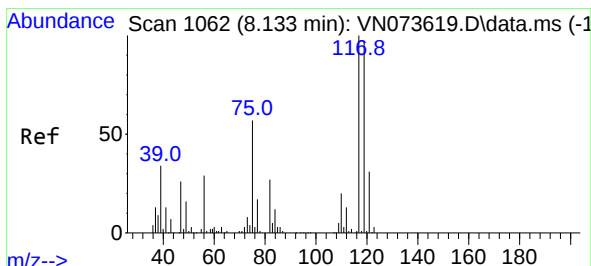
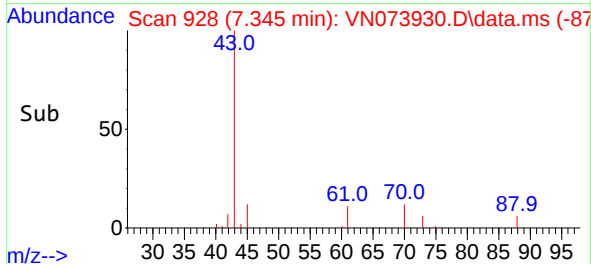
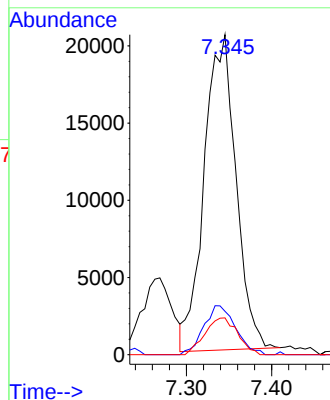
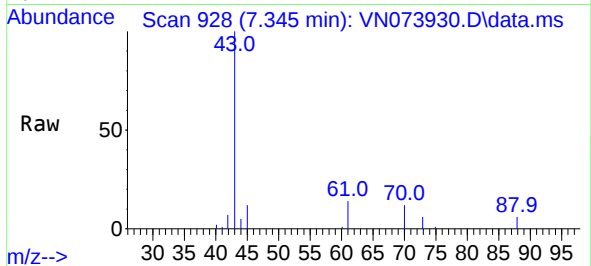




#37
Ethyl Acetate
Concen: 5.725 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

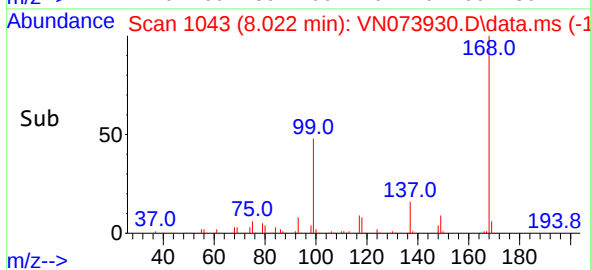
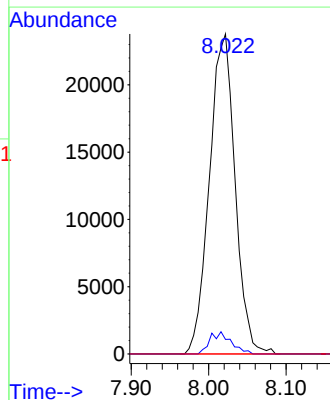
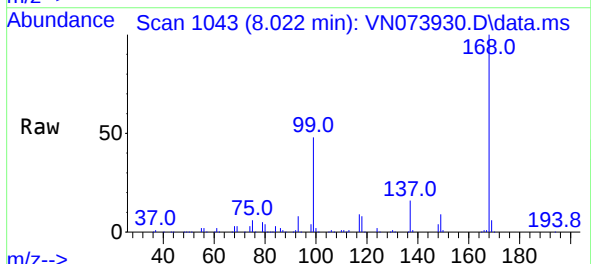
Instrument :
MSVOA_N
ClientSampleId :
S5

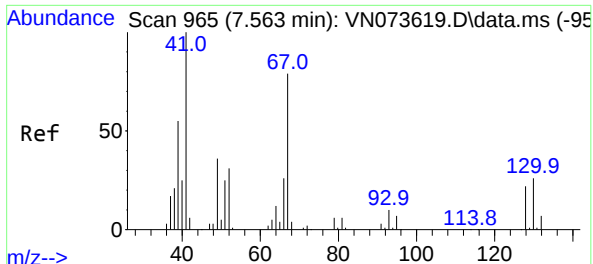
Tgt Ion:	43	Resp:	52905
Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.6
70	12.0	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.287 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Tgt Ion:	117	Resp:	54813
Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.8	113.8#
121	0.0	24.6	37.0#

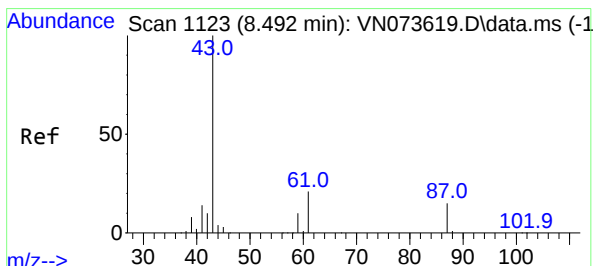
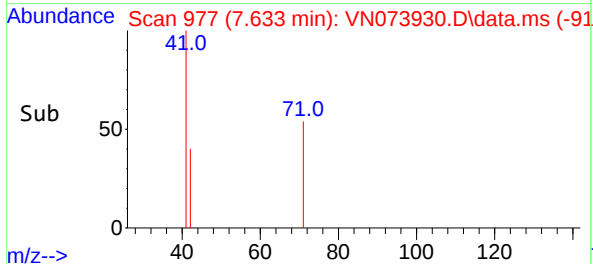
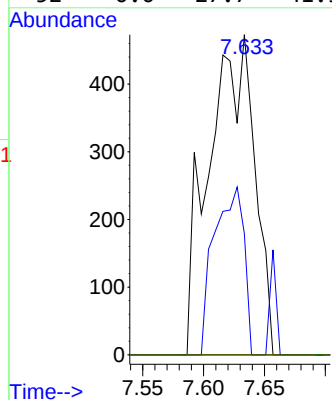
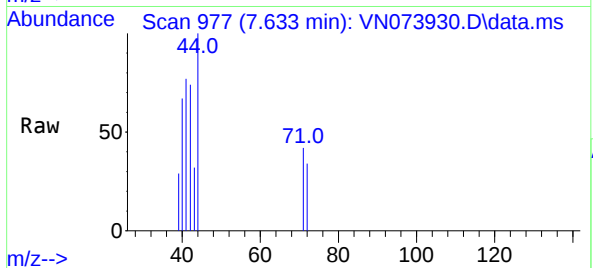




#41
Methacrylonitrile
Concen: 0.296 ug/l
RT: 7.633 min Scan# 91
Delta R.T. 0.070 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

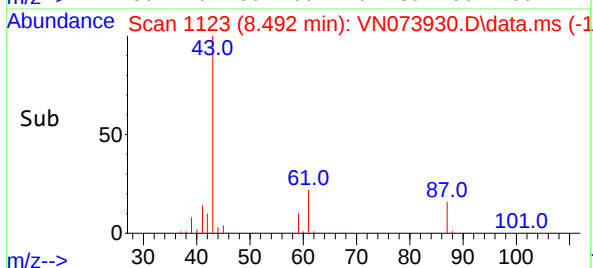
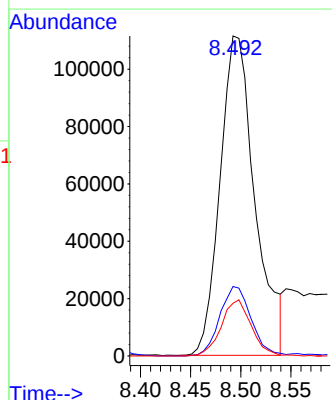
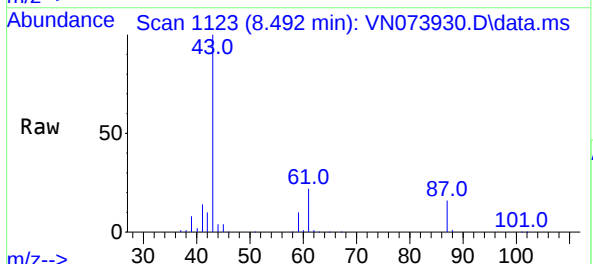
Instrument :
MSVOA_N
ClientSampleId :
S5

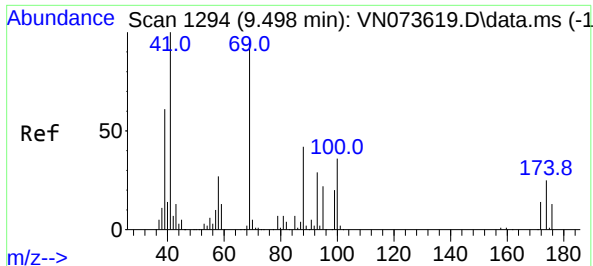
Tgt Ion: 41 Resp: 1235
Ion Ratio Lower Upper
41 100
39 34.1 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#43
Isopropyl Acetate
Concen: 20.528 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Tgt Ion: 43 Resp: 270231
Ion Ratio Lower Upper
43 100
61 19.5 21.9 32.9#
87 15.1 12.0 18.0

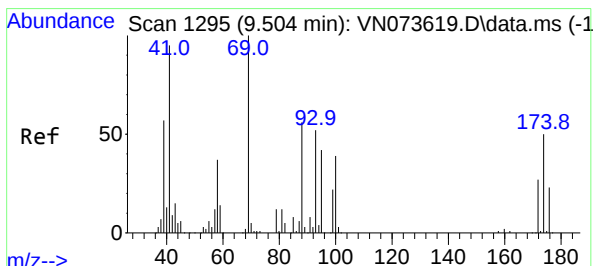
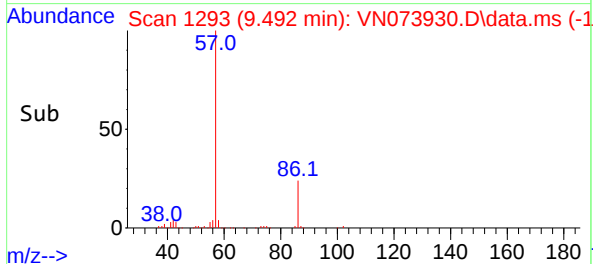
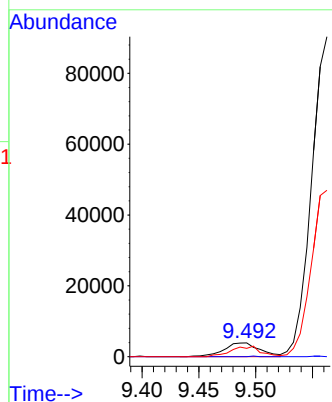
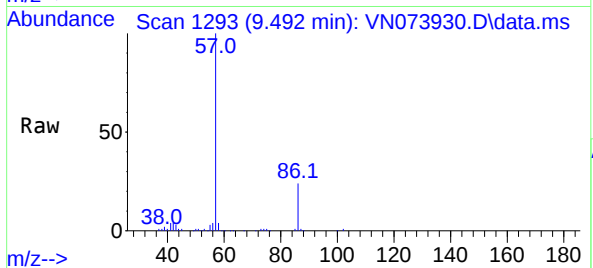




#48
Methyl methacrylate
Concen: 1.523 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

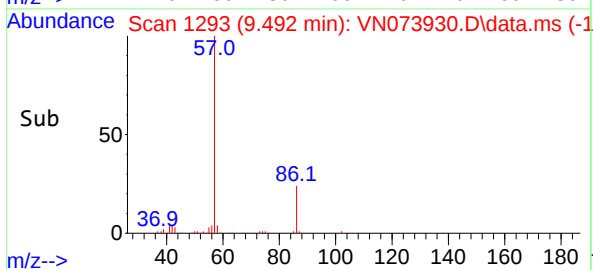
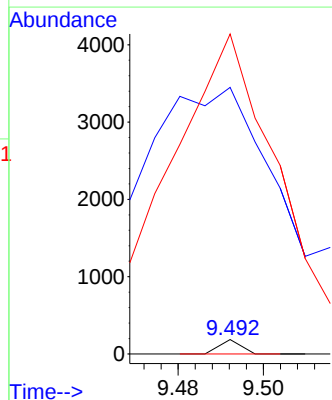
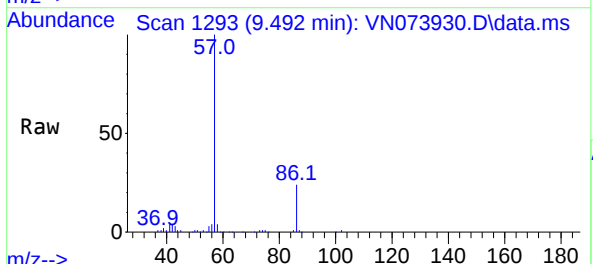
Instrument :
MSVOA_N
ClientSampleId :
S5

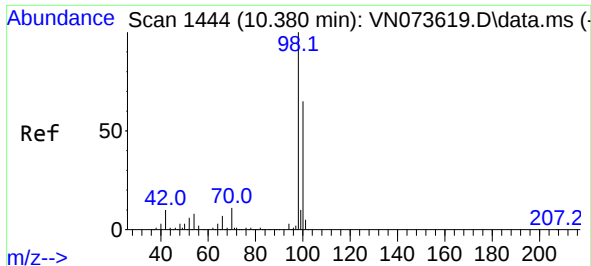
Tgt Ion: 41 Resp: 8577
Ion Ratio Lower Upper
41 100
69 0.8 74.7 112.1#
39 62.1 45.6 68.4



#49
1,4-Dioxane
Concen: 0.394 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.012 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 12015.2 54.2 81.4#

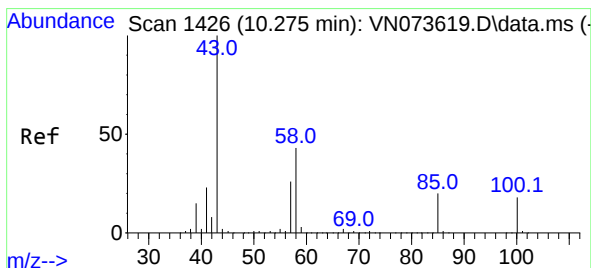
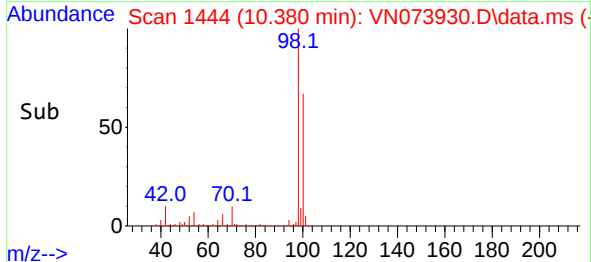
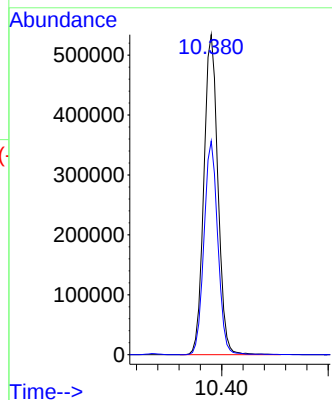
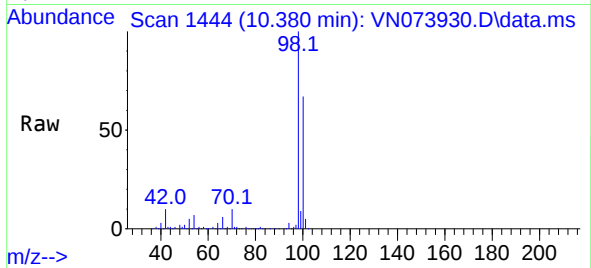




#50
Toluene-d8
Concen: 45.845 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

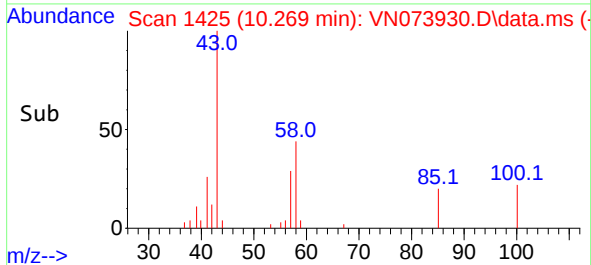
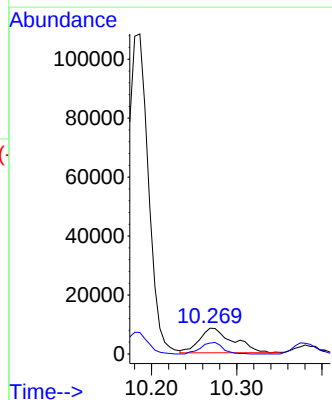
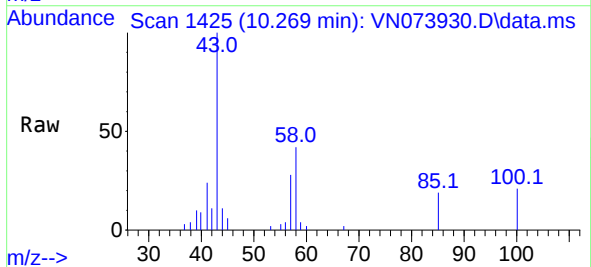
Instrument :
MSVOA_N
ClientSampleId :
S5

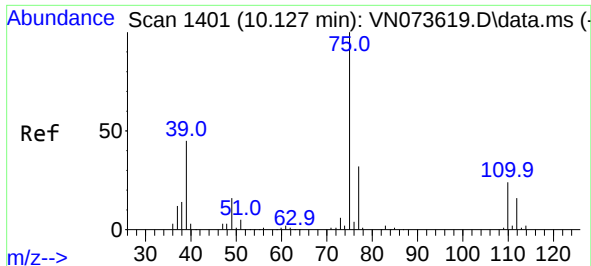
Tgt Ion: 98 Resp: 975035
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.597 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Tgt Ion: 43 Resp: 23112
Ion Ratio Lower Upper
43 100
58 30.3 34.1 51.1#

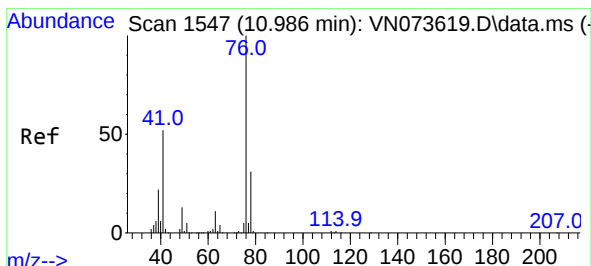
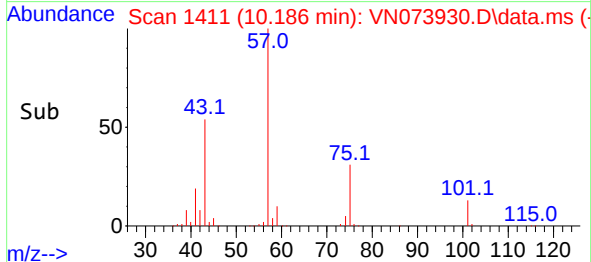
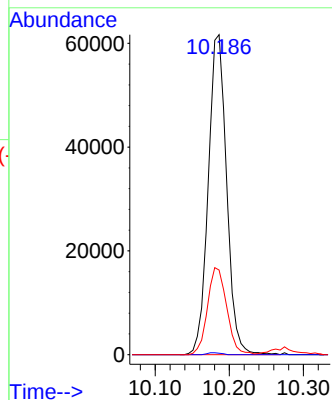
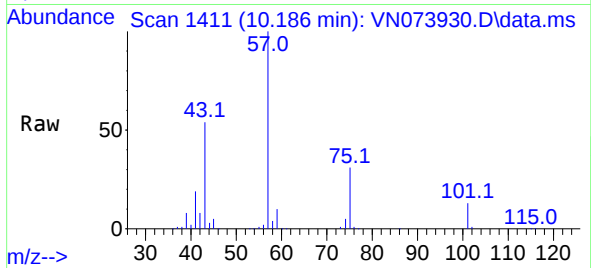




#54
cis-1,3-Dichloropropene
Concen: 11.029 ug/l
RT: 10.186 min Scan# 14
Delta R.T. 0.059 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

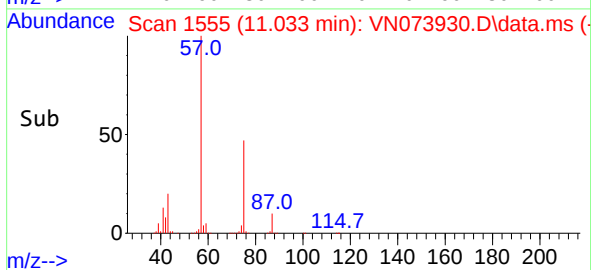
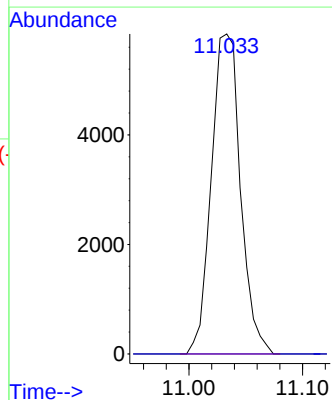
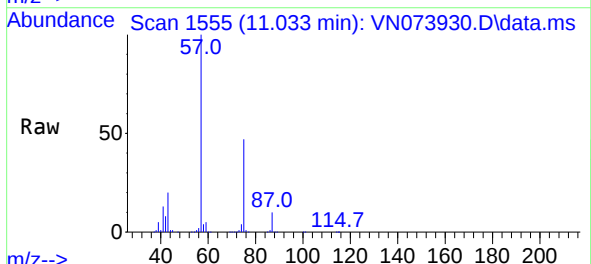
Instrument :
MSVOA_N
ClientSampleId :
S5

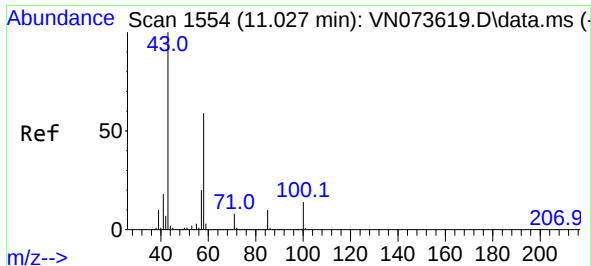
Tgt Ion: 75 Resp: 106174
Ion Ratio Lower Upper
75 100
77 0.5 25.2 37.8#
39 26.4 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 0.998 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.047 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Tgt Ion: 76 Resp: 10419
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

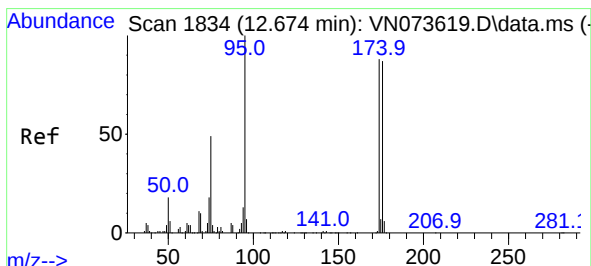
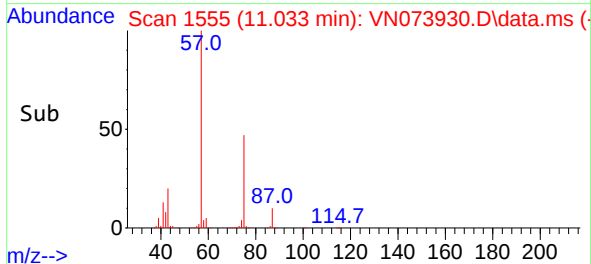
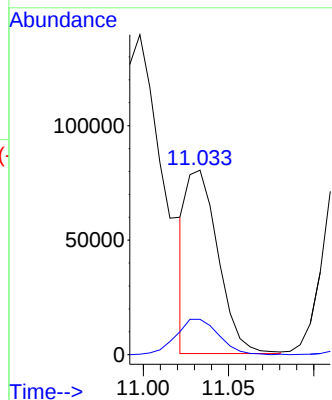
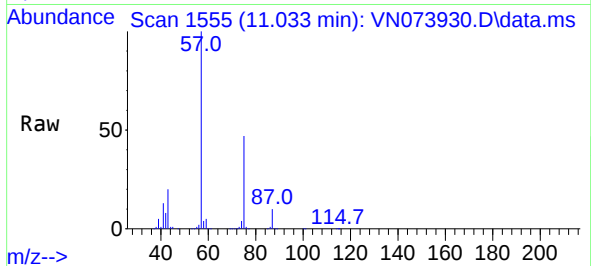




#59
2-Hexanone
Concen: 15.036 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

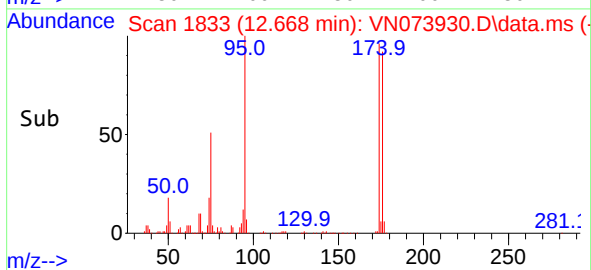
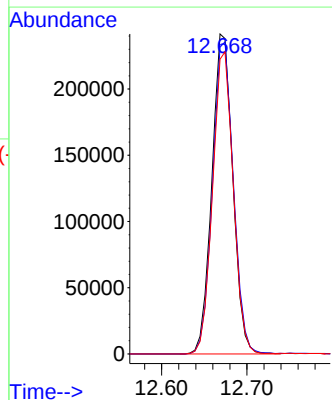
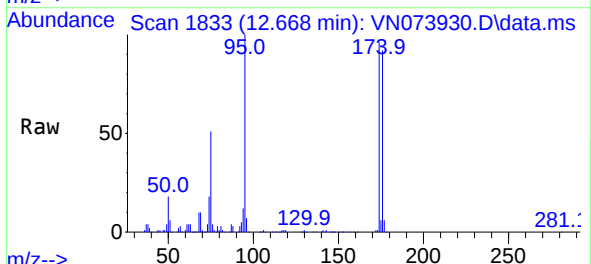
Instrument :
MSVOA_N
ClientSampleId :
S5

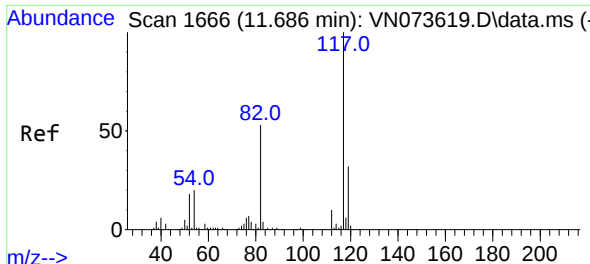
Tgt Ion: 43 Resp: 102995
Ion Ratio Lower Upper
43 100
58 26.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 58.223 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Tgt Ion: 95 Resp: 410968
Ion Ratio Lower Upper
95 100
174 97.4 0.0 167.6
176 93.5 0.0 163.4

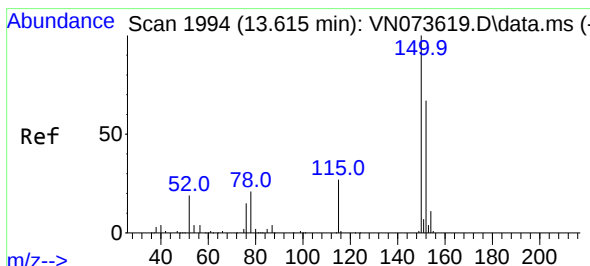
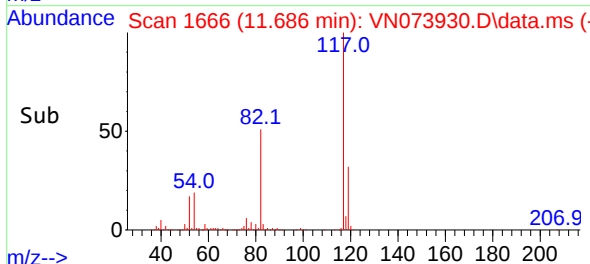
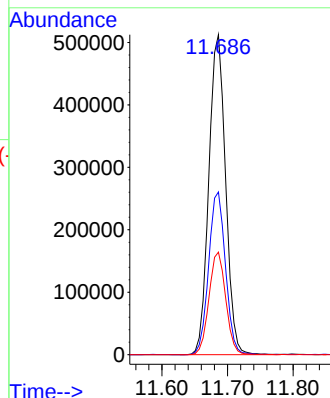
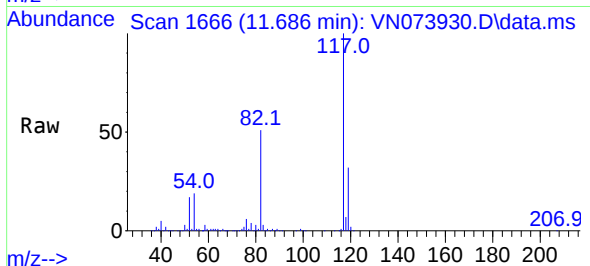




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

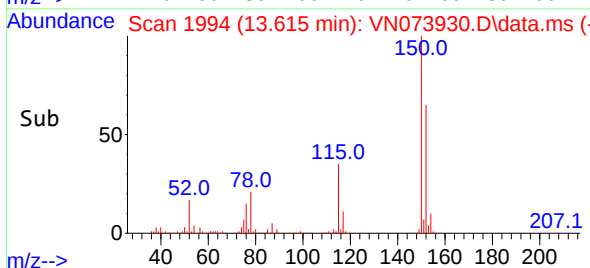
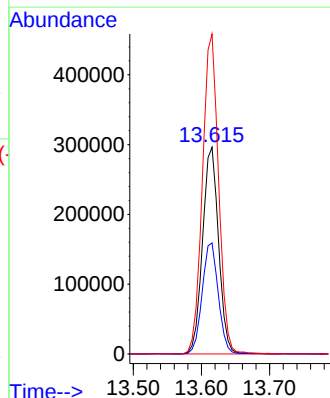
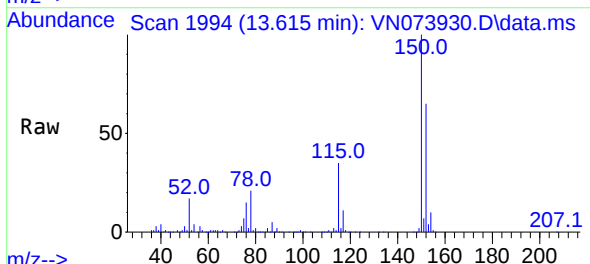
Instrument :
MSVOA_N
ClientSampleId :
S5

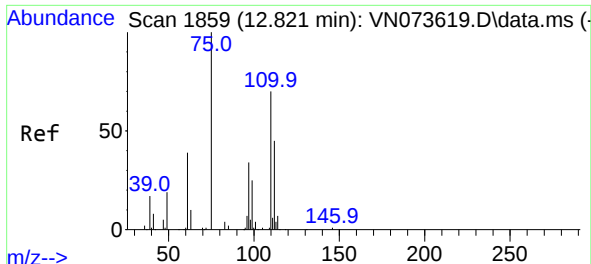
Tgt Ion:117 Resp: 910032
Ion Ratio Lower Upper
117 100
82 50.8 44.2 66.2
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Tgt Ion:152 Resp: 484680
Ion Ratio Lower Upper
152 100
115 54.1 28.9 86.7
150 156.3 0.0 356.2

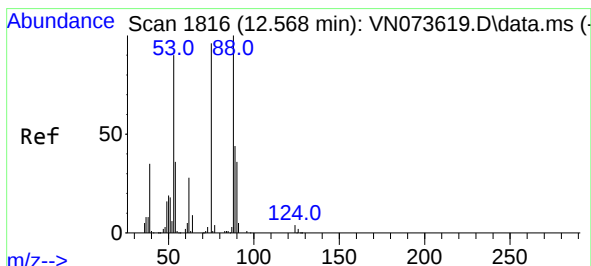
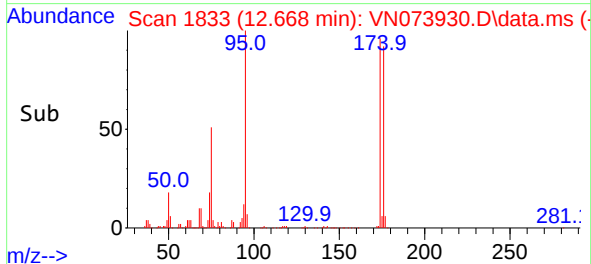
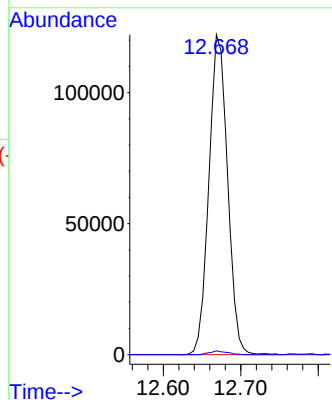
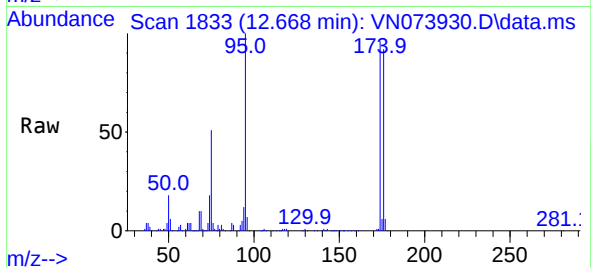




#76
1,2,3-Trichloropropane
Concen: 20.263 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Instrument :
MSVOA_N
ClientSampleId :
S5

Tgt Ion: 75 Resp: 204126
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.631 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.100 min
Lab File: VN073930.D
Acq: 16 Aug 2022 06:11

Tgt Ion: 75 Resp: 204126
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

