

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031522\
 Data File : VN071293.D
 Acq On : 15 Mar 2022 15:40
 Operator : JC\MD
 Sample : N1851-09
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUM-38

Quant Time: Mar 16 08:00:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

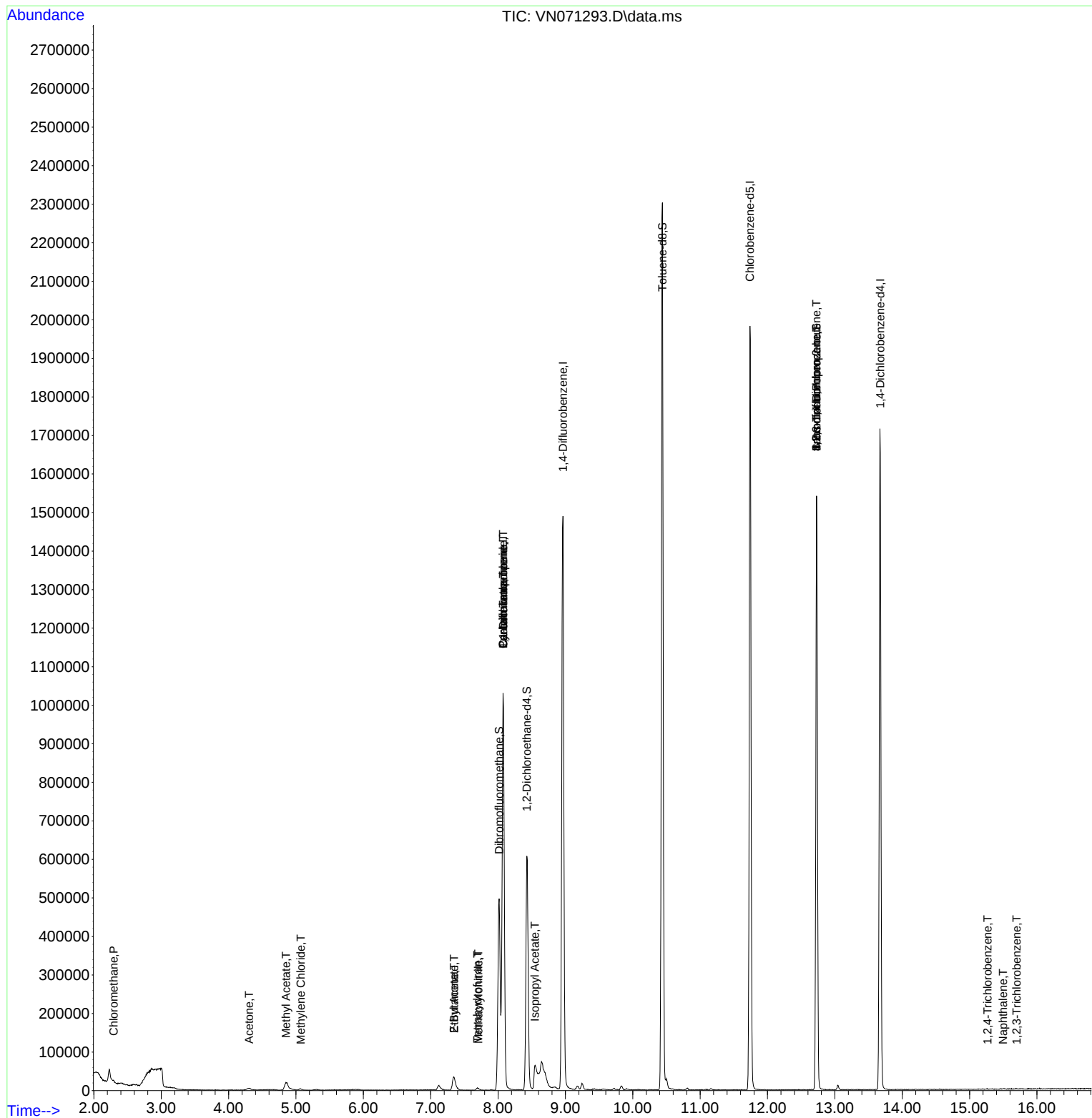
Internal Standards						
1) Pentafluorobenzene	8.075	168	791996	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.963	114	1334820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1145247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	472515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.427	65	511068	47.083	ug/l	-0.01
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.160%		
35) Dibromofluoromethane	8.016	113	367758	43.660	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	87.320%		
50) Toluene-d8	10.439	98	1597619	47.108	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.220%		
62) 4-Bromofluorobenzene	12.727	95	523190	45.557	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.120%		
Target Compounds					Qvalue	
3) Chloromethane	2.293	50	3437	0.261	ug/l	100
5) Bromomethane	2.851	94	190	Below Cal	#	45
16) Acetone	4.304	43	8023	1.519	ug/l	100
18) Methyl Acetate	4.851	43	53907	4.235	ug/l	# 72
20) Methylene Chloride	5.069	84	2696	0.659	ug/l	# 80
25) 2-Butanone	7.345	43	76289	8.967	ug/l	94
29) Tetrahydrofuran	7.692	42	5074	0.861	ug/l	94
31) Cyclohexane	8.075	56	16673	0.962	ug/l	# 1
36) 1,1-Dichloropropene	8.075	75	63246	4.686	ug/l	# 48
37) Ethyl Acetate	7.345	43	76289	4.107	ug/l	# 68
38) Carbon Tetrachloride	8.075	117	77939	5.971	ug/l	# 15
41) Methacrylonitrile	7.710	41	3031	0.333	ug/l	# 18
43) Isopropyl Acetate	8.545	43	79769	2.872	ug/l	# 56
71) Bromoform	12.727	173	3158	0.461	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.727	83	210	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	267940	21.805	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	267940	61.298	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.268	180	249	3.019	ug/l	88
95) Naphthalene	15.498	128	1256	5.120	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.698	180	380	2.780	ug/l	# 29

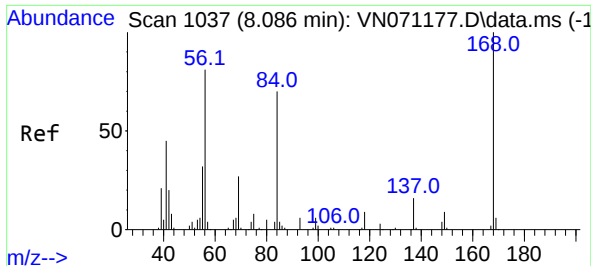
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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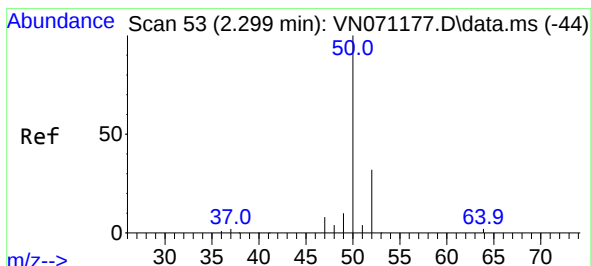
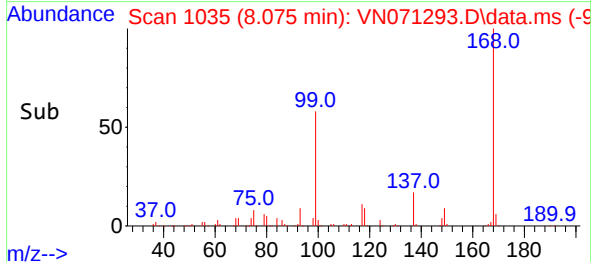
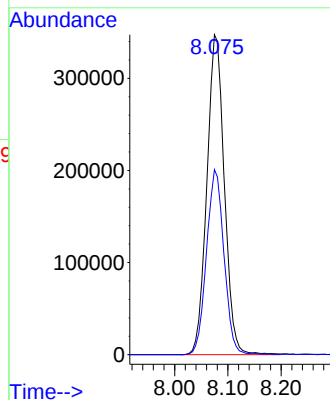
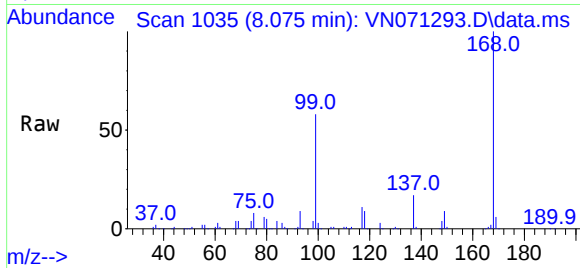




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.075 min Scan# 10
Delta R.T. -0.011 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

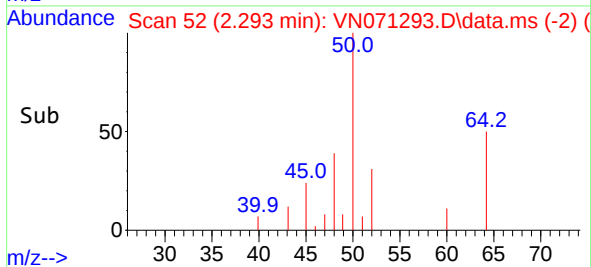
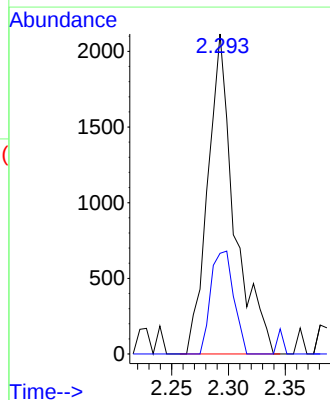
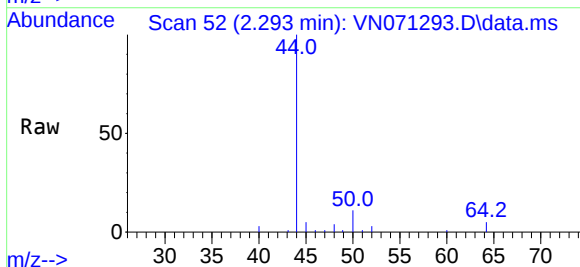
Instrument :
MSVOA_N
ClientSampleId :
DUM-38

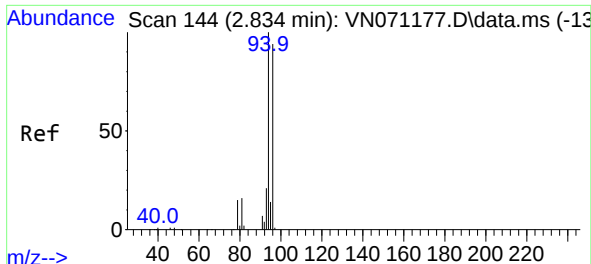
Tgt Ion:168 Resp: 791996
Ion Ratio Lower Upper
168 100
99 57.8 41.3 61.9



#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

Tgt Ion: 50 Resp: 3437
Ion Ratio Lower Upper
50 100
52 31.5 25.4 38.0

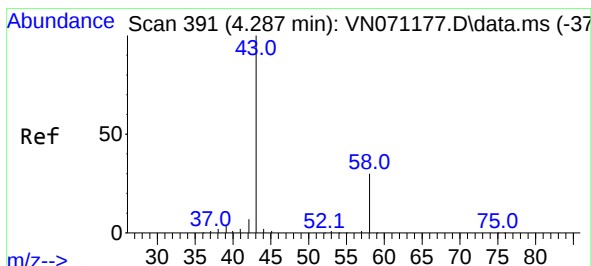
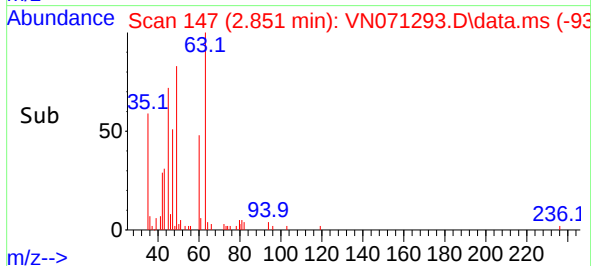
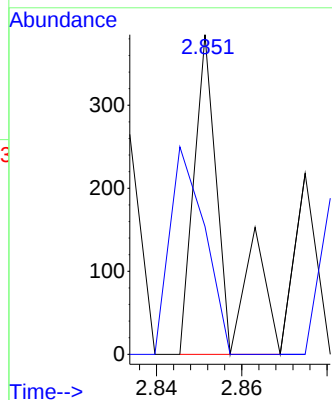
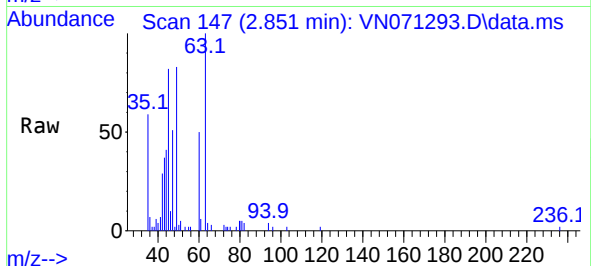




#5
Bromomethane
Concen: Below Cal
RT: 2.851 min Scan# 14
Delta R.T. 0.017 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

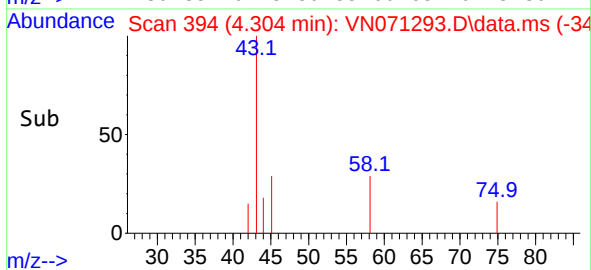
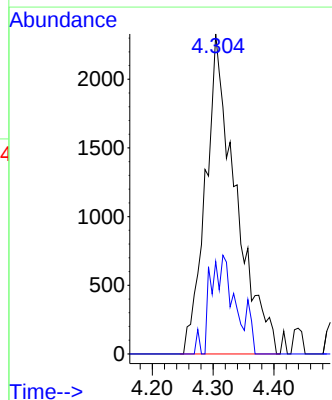
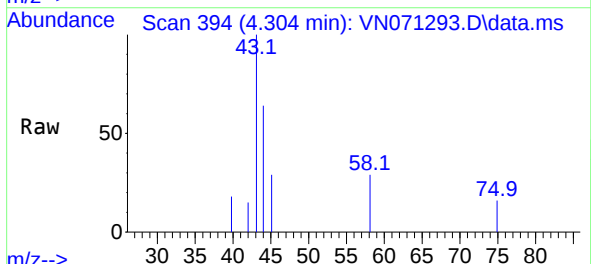
Instrument :
MSVOA_N
ClientSampleId :
DUM-38

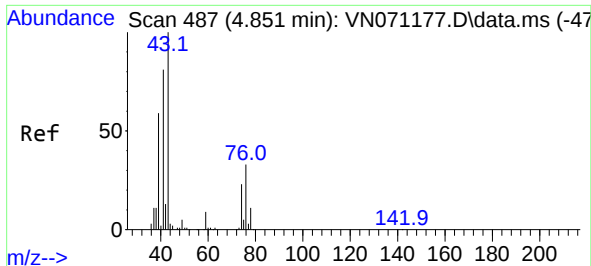
Tgt Ion: 94 Resp: 190
Ion Ratio Lower Upper
94 100
96 40.0 73.8 110.8#



#16
Acetone
Concen: 1.519 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.018 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

Tgt Ion: 43 Resp: 8023
Ion Ratio Lower Upper
43 100
58 28.8 23.1 34.7

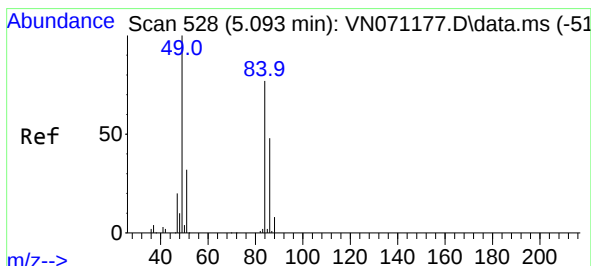
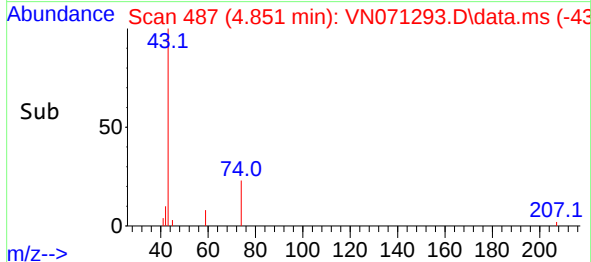
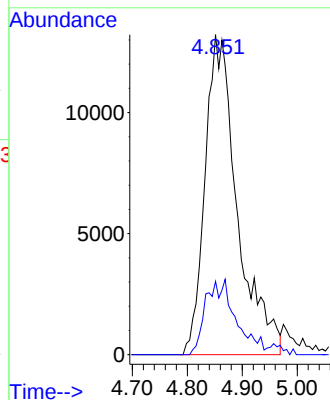
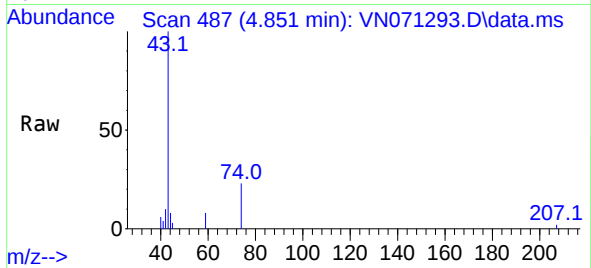




#18
Methyl Acetate
Concen: 4.235 ug/l
RT: 4.851 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

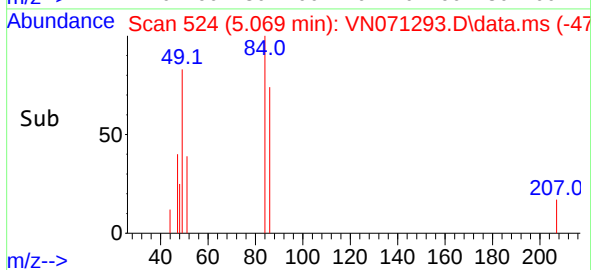
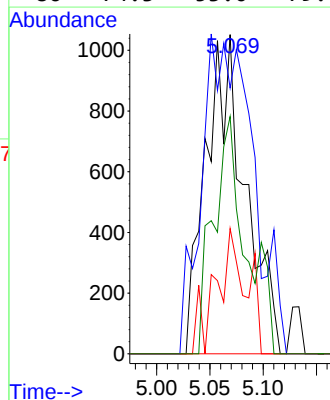
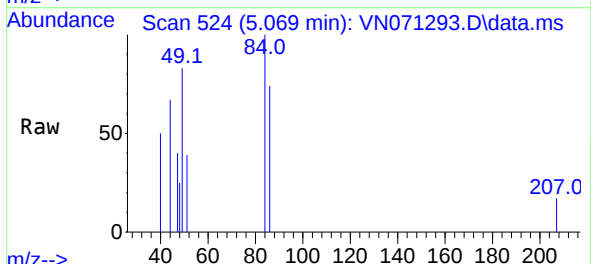
Instrument :
MSVOA_N
ClientSampleId :
DUM-38

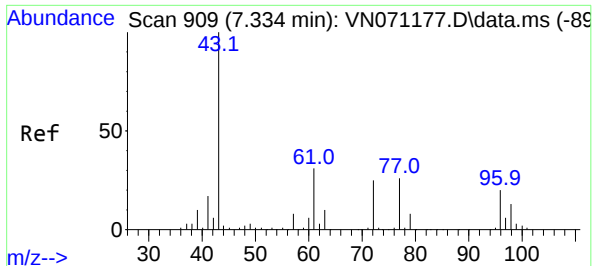
Tgt Ion: 43 Resp: 53907
Ion Ratio Lower Upper
43 100
74 10.3 19.4 29.2#



#20
Methylene Chloride
Concen: 0.659 ug/l
RT: 5.069 min Scan# 524
Delta R.T. -0.024 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

Tgt Ion: 84 Resp: 2696
Ion Ratio Lower Upper
84 100
49 83.3 93.5 140.3#
51 39.3 29.4 44.2
86 74.3 53.0 79.4





#25

2-Butanone

Concen: 8.967 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.012 min

Lab File: VN071293.D

Acq: 15 Mar 2022 15:40

Instrument :

MSVOA_N

ClientSampleId :

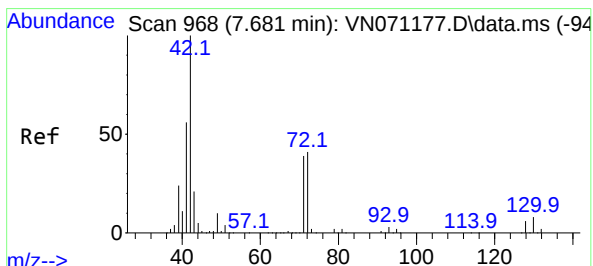
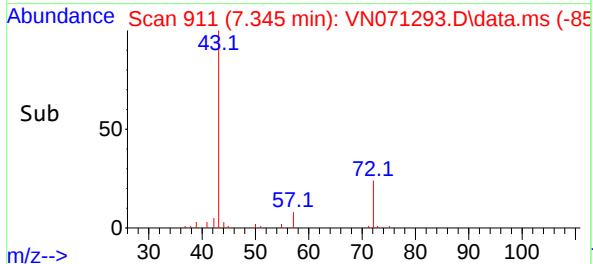
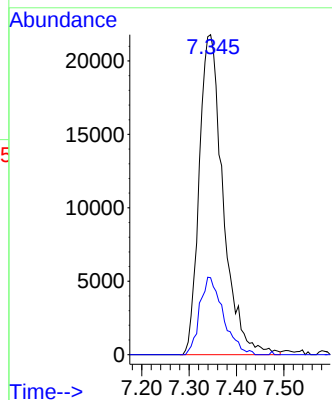
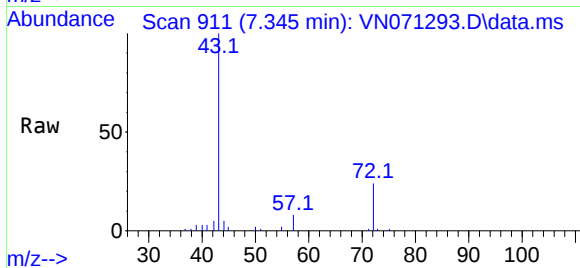
DUM-38

Tgt Ion: 43 Resp: 76289

Ion Ratio Lower Upper

43 100

72 24.0 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.861 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.012 min

Lab File: VN071293.D

Acq: 15 Mar 2022 15:40

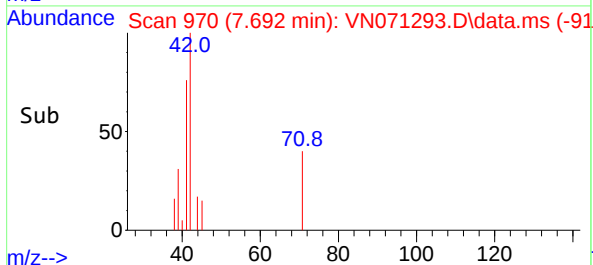
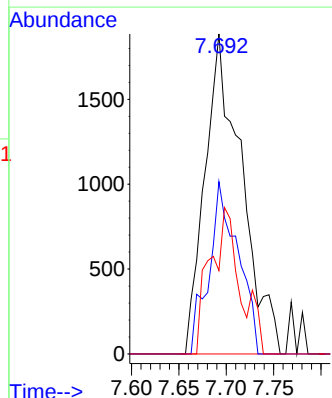
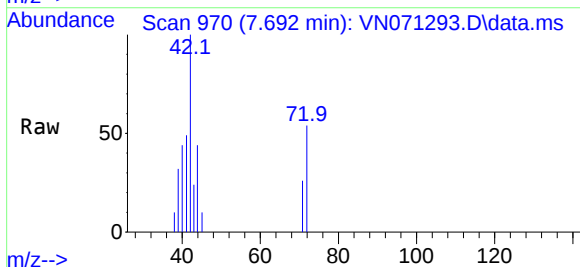
Tgt Ion: 42 Resp: 5074

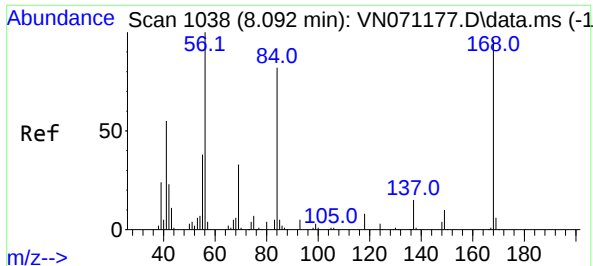
Ion Ratio Lower Upper

42 100

72 42.7 36.3 54.5

71 37.7 34.7 52.1

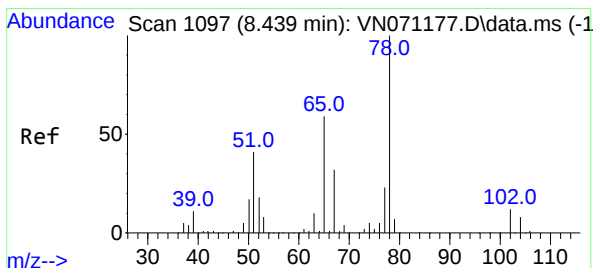
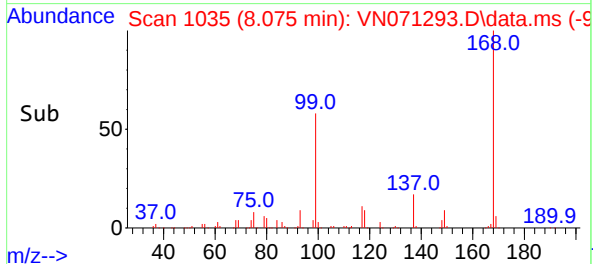
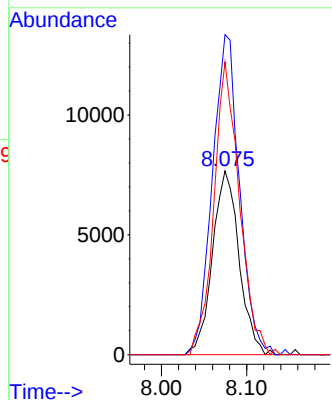
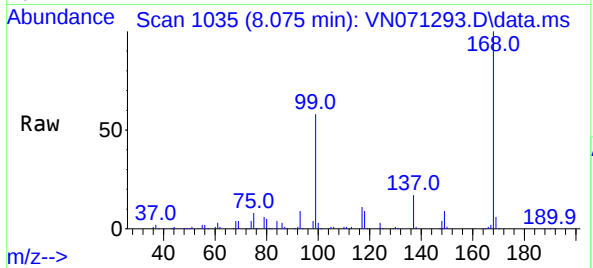




#31
Cyclohexane
Concen: 0.962 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.018 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

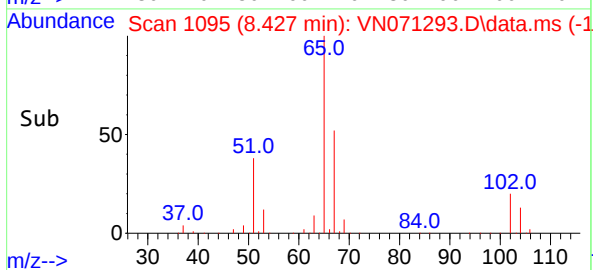
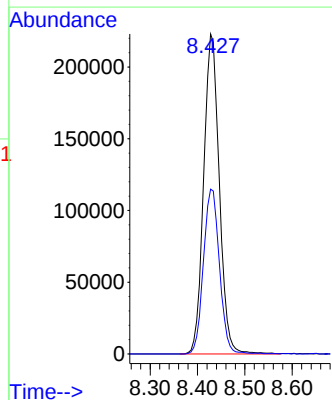
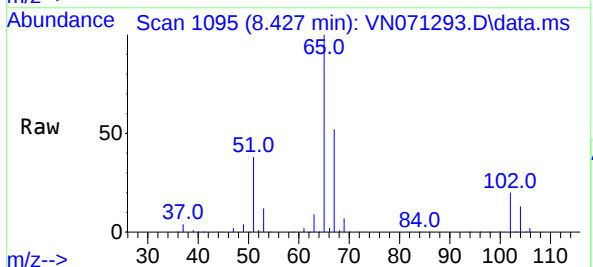
Instrument :
MSVOA_N
ClientSampleId :
DUM-38

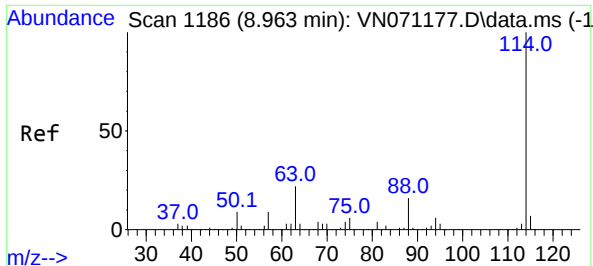
Tgt Ion: 56 Resp: 16673
Ion Ratio Lower Upper
56 100
69 174.2 27.1 40.7#
84 159.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 47.083 ug/l
RT: 8.427 min Scan# 1095
Delta R.T. -0.012 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

Tgt Ion: 65 Resp: 511068
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071293.D

Acq: 15 Mar 2022 15:40

Instrument :

MSVOA_N

ClientSampleId :

DUM-38

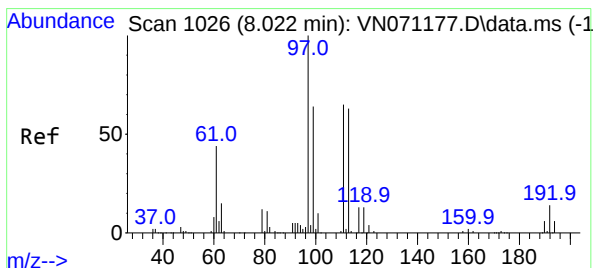
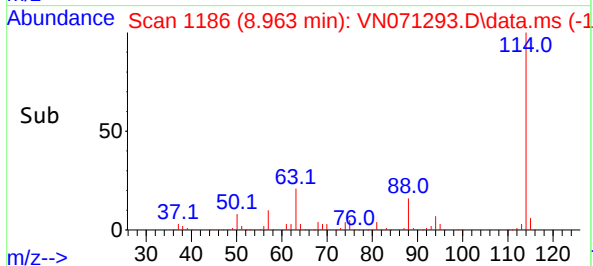
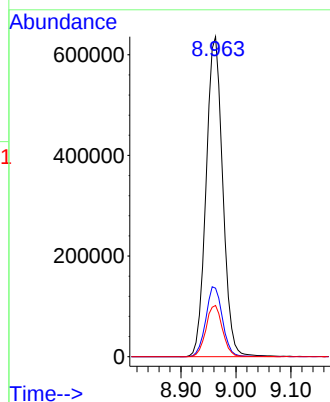
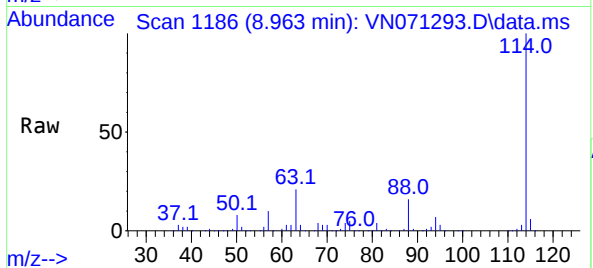
Tgt Ion:114 Resp: 1334820

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.8

88 16.0 0.0 27.4



#35

Dibromofluoromethane

Concen: 43.660 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071293.D

Acq: 15 Mar 2022 15:40

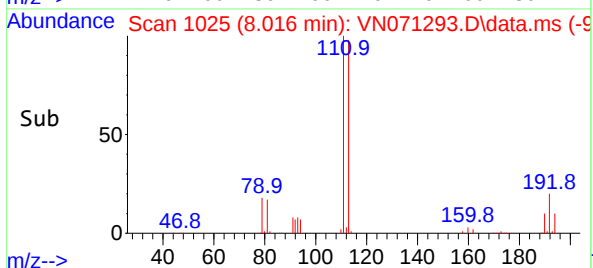
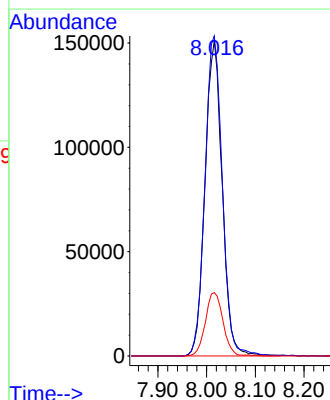
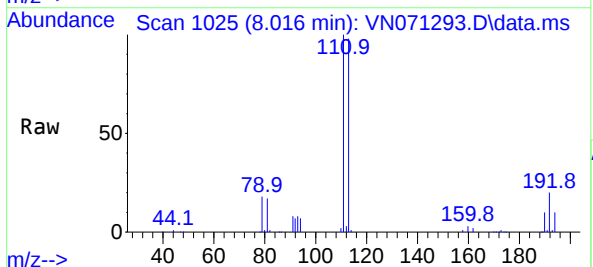
Tgt Ion:113 Resp: 367758

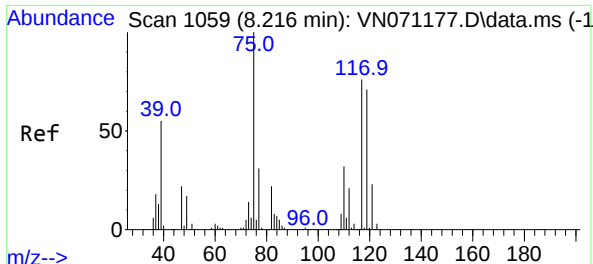
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

192 20.8 16.9 25.3

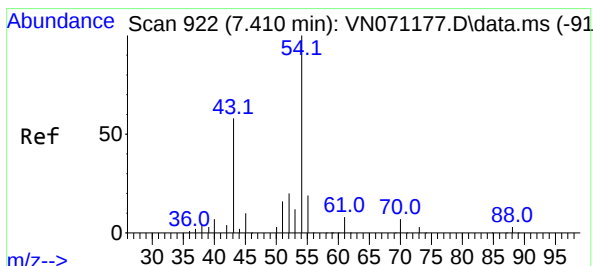
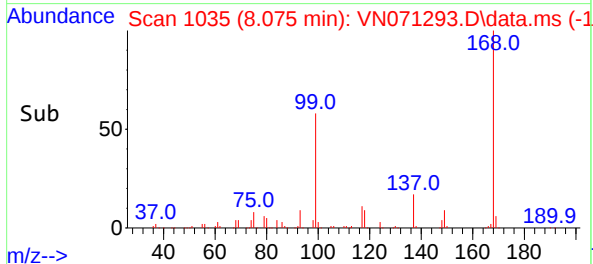
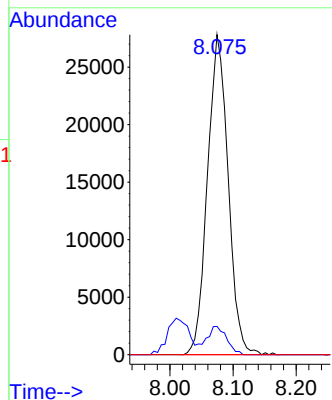
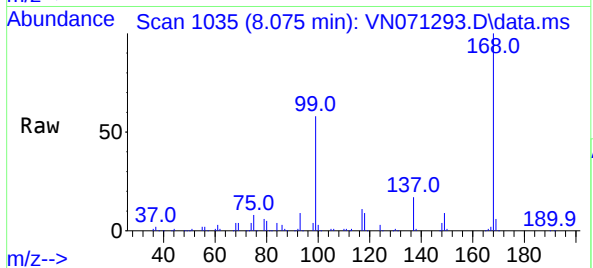




#36
1,1-Dichloropropene
Concen: 4.686 ug/l
RT: 8.075 min Scan# 1059
Delta R.T. -0.141 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

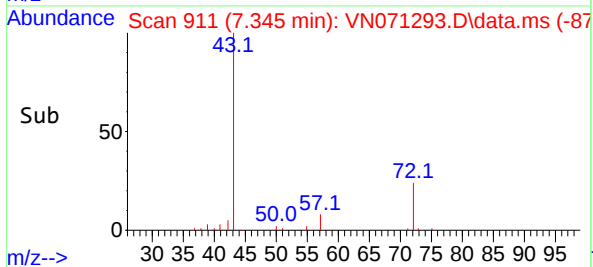
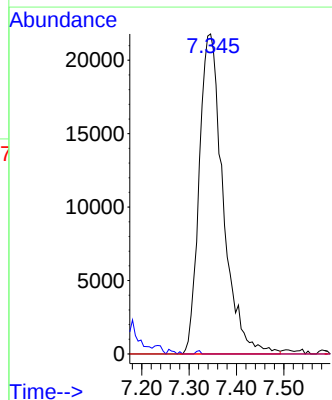
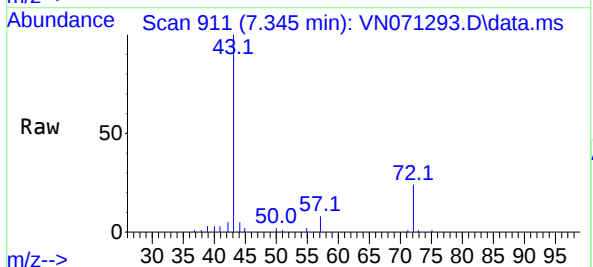
Instrument :
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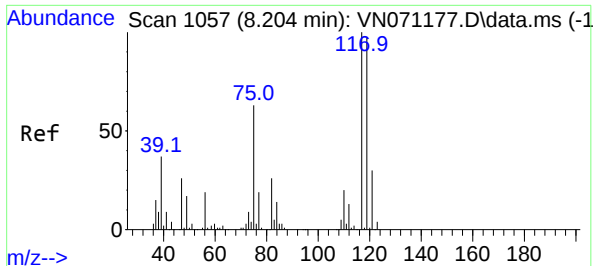
Tgt Ion: 75 Resp: 63246
Ion Ratio Lower Upper
75 100
110 7.9 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 4.107 ug/l
RT: 7.345 min Scan# 911
Delta R.T. -0.065 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

Tgt Ion: 43 Resp: 76289
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

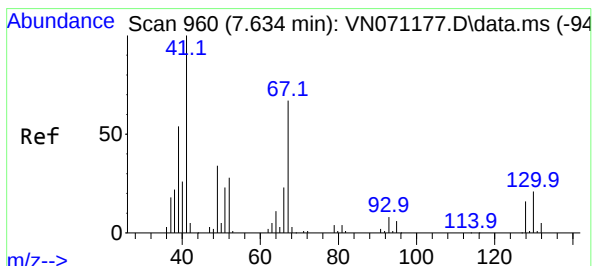
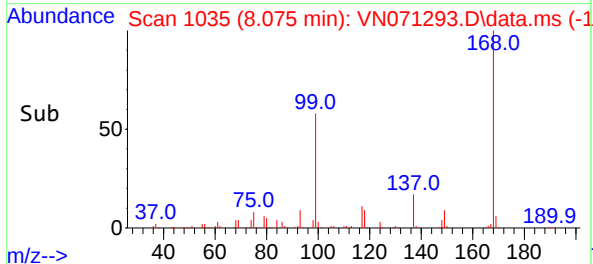
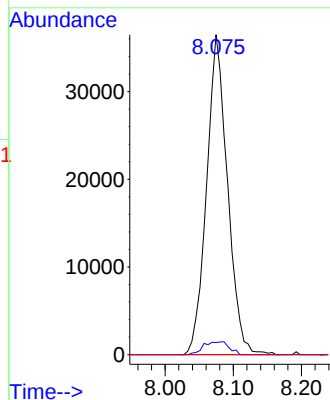
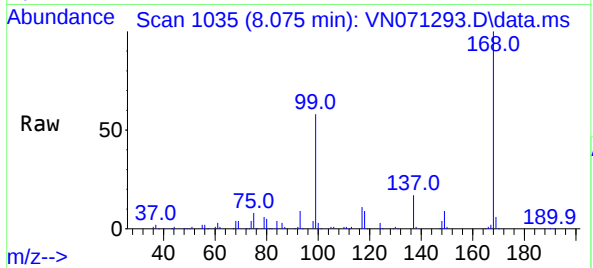




#38
Carbon Tetrachloride
Concen: 5.971 ug/l
RT: 8.075 min Scan# 117
Delta R.T. -0.130 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

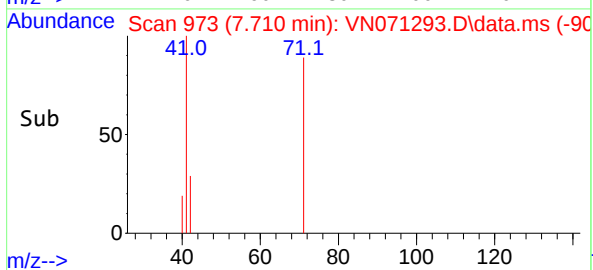
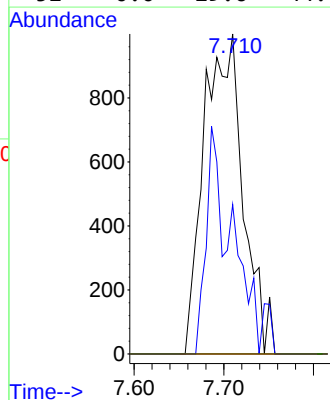
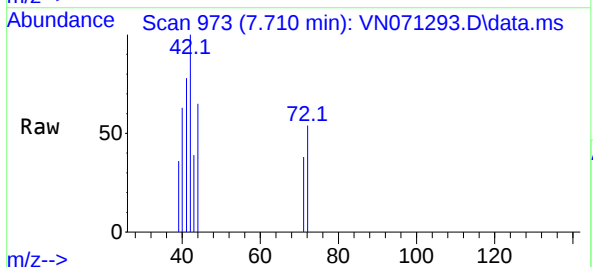
Instrument :
MSVOA_N
ClientSampleId :
DUM-38

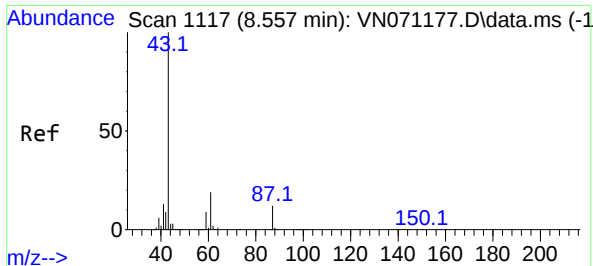
Tgt Ion:117 Resp: 77939
Ion Ratio Lower Upper
117 100
119 3.8 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.333 ug/l
RT: 7.710 min Scan# 973
Delta R.T. 0.076 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

Tgt Ion: 41 Resp: 3031
Ion Ratio Lower Upper
41 100
39 0.0 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#

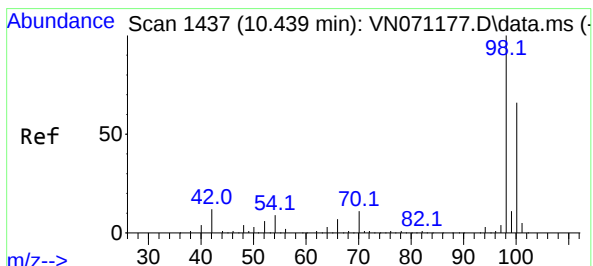
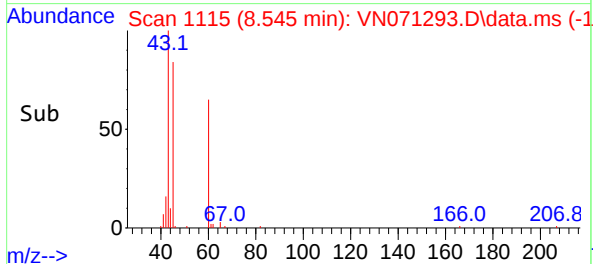
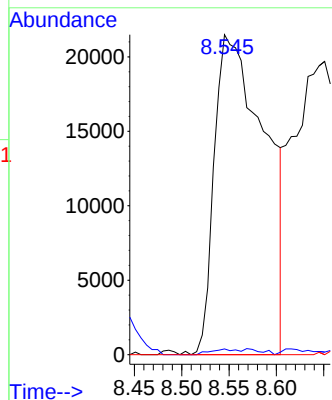
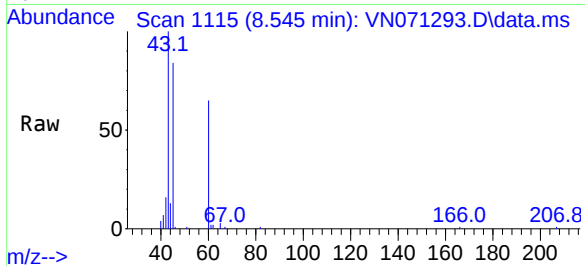




#43
Isopropyl Acetate
Concen: 2.872 ug/l
RT: 8.545 min Scan# 1115
Delta R.T. -0.012 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

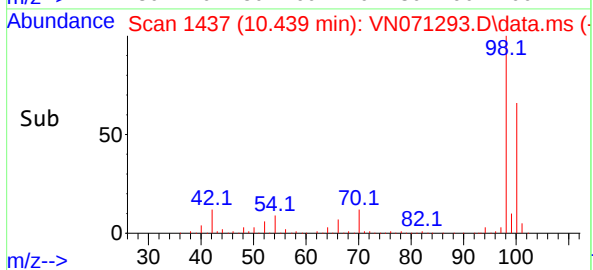
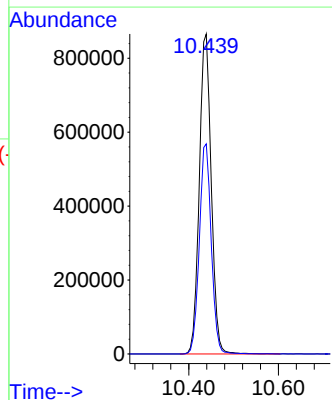
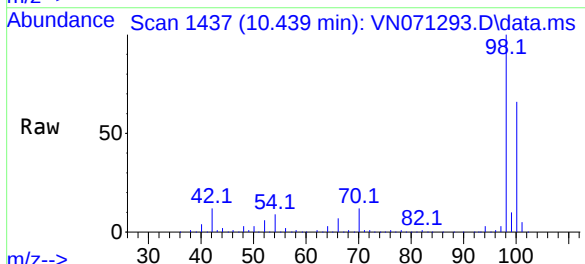
Instrument :
MSVOA_N
ClientSampleId :
DUM-38

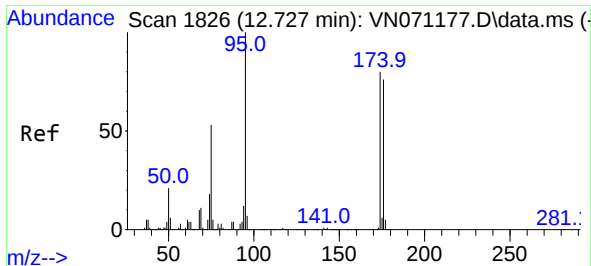
Tgt Ion: 43 Resp: 79769
Ion Ratio Lower Upper
43 100
61 0.9 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 47.108 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

Tgt Ion: 98 Resp: 1597619
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6

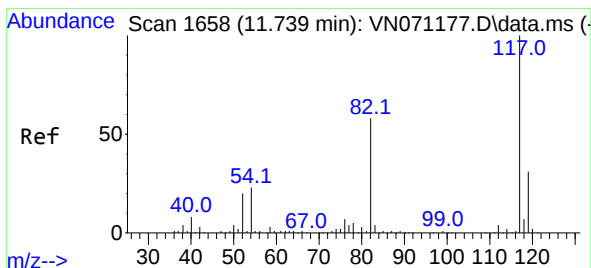
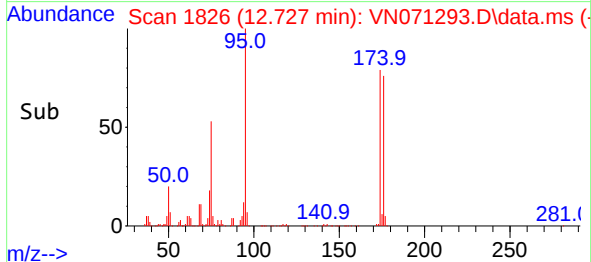
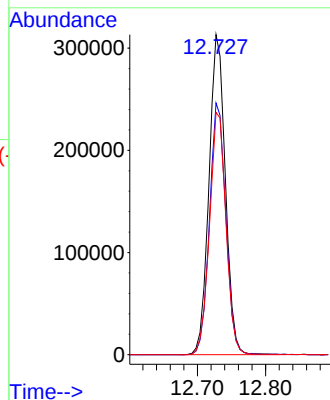
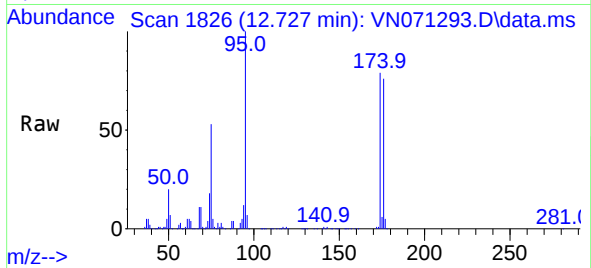




#62
4-Bromofluorobenzene
Concen: 45.557 ug/l
RT: 12.727 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

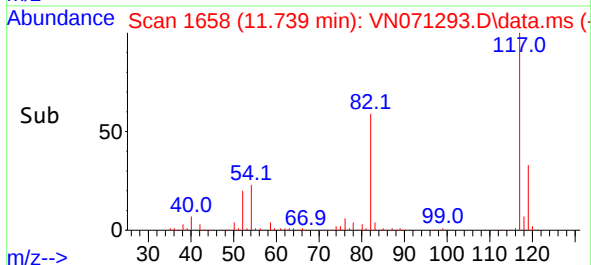
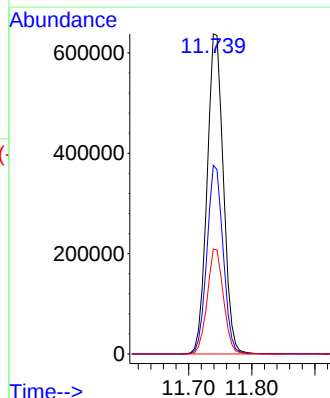
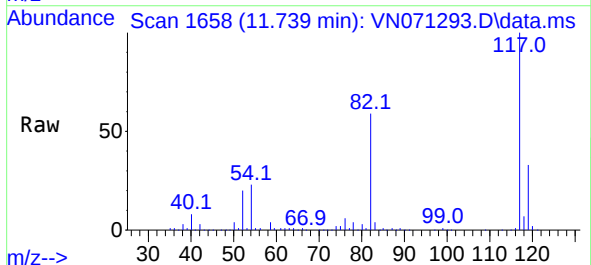
Instrument :
MSVOA_N
ClientSampleId :
DUM-38

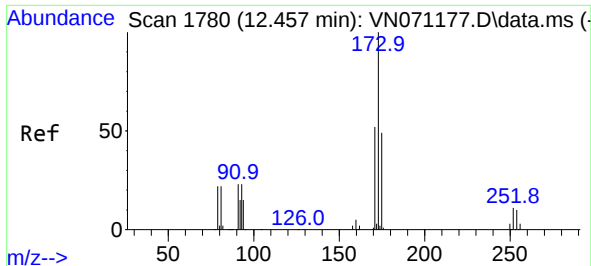
Tgt Ion: 95 Resp: 523190
Ion Ratio Lower Upper
95 100
174 78.5 0.0 187.2
176 76.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

Tgt Ion: 117 Resp: 1145247
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 32.8 25.4 38.2

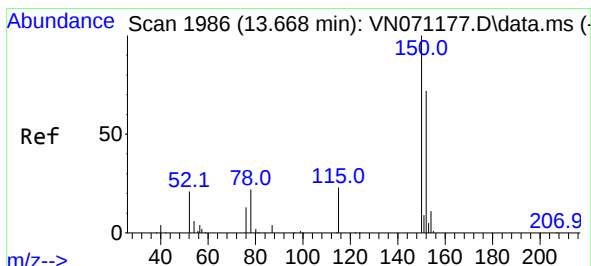
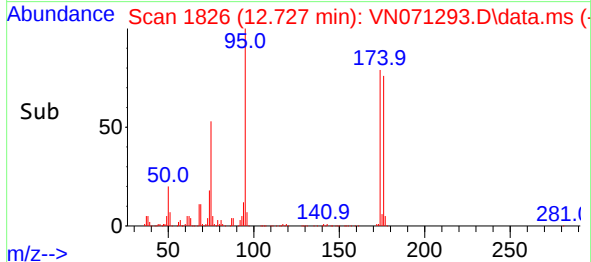
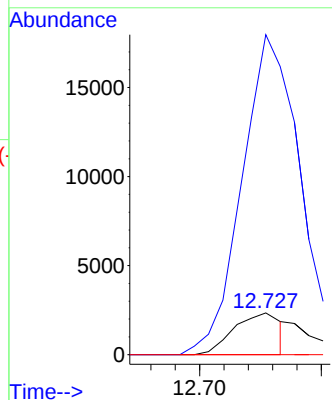
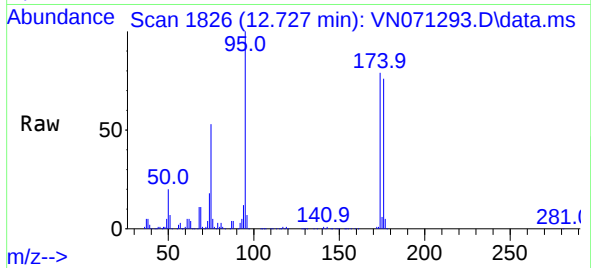




#71
Bromoform
Concen: 0.461 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

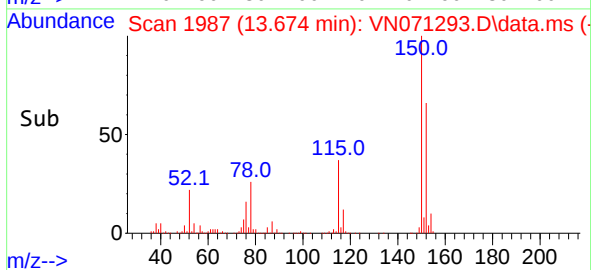
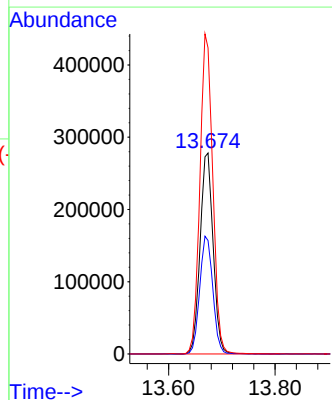
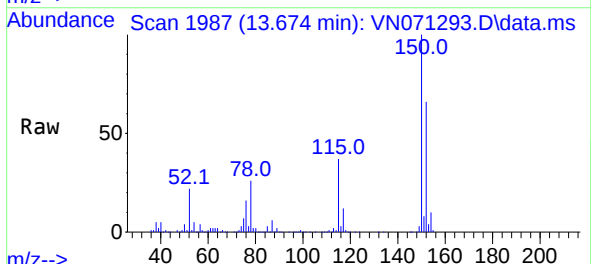
Instrument :
MSVOA_N
ClientSampleId :
DUM-38

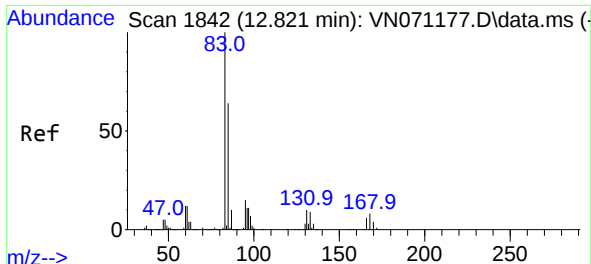
Tgt Ion:173 Resp: 3158
Ion Ratio Lower Upper
173 100
175 674.1 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

Tgt Ion:152 Resp: 472515
Ion Ratio Lower Upper
152 100
115 58.8 27.5 82.5
150 156.8 0.0 344.4

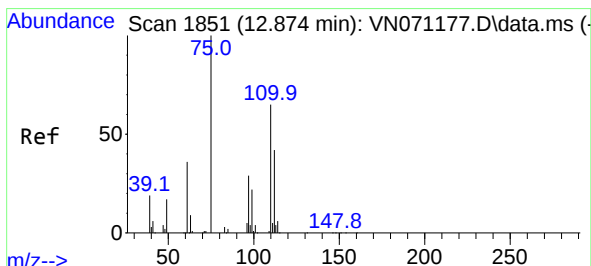
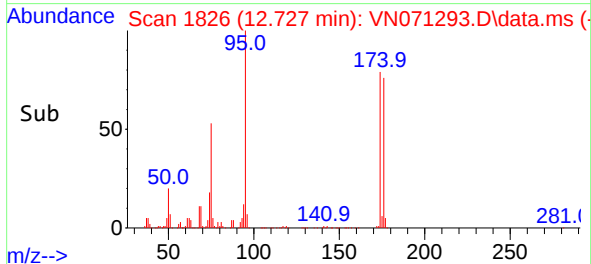
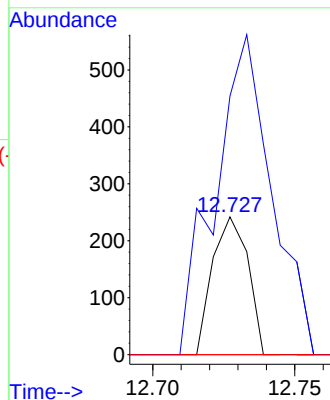
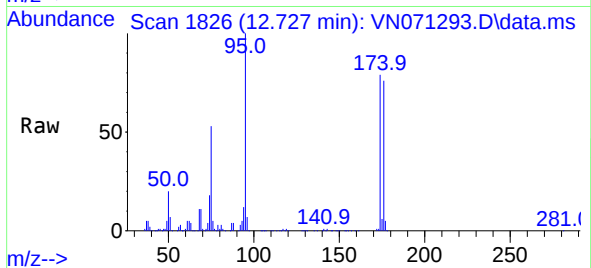




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.094 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

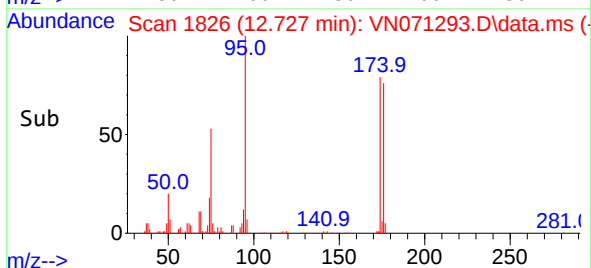
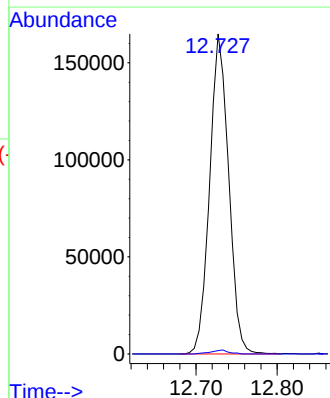
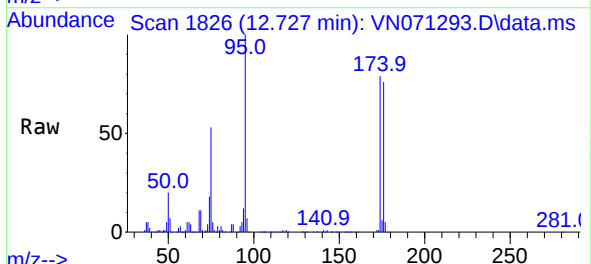
Instrument :
MSVOA_N
ClientSampleId :
DUM-38

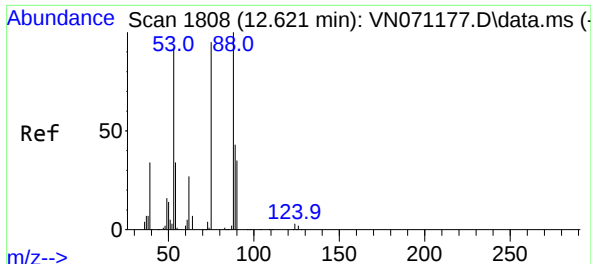
Tgt Ion: 83 Resp: 210
Ion Ratio Lower Upper
83 100
131 371.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 21.805 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

Tgt Ion: 75 Resp: 267940
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

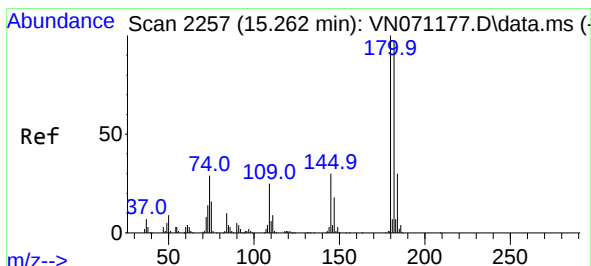
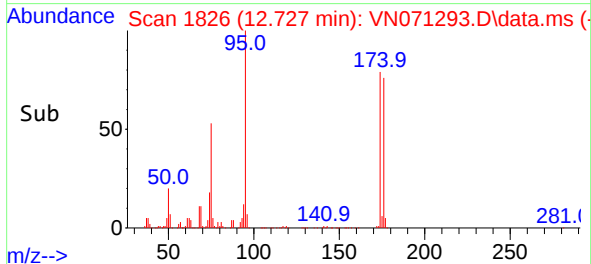
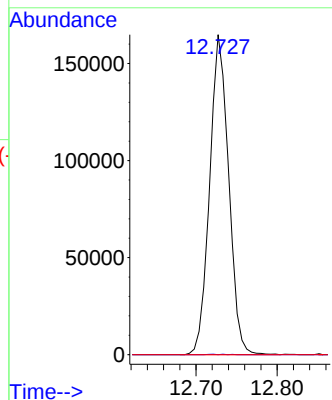
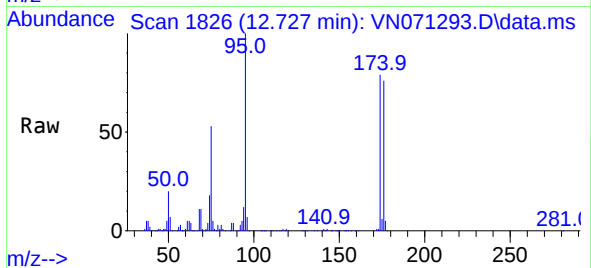




#81
trans-1,4-Dichloro-2-butene
Concen: 61.298 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

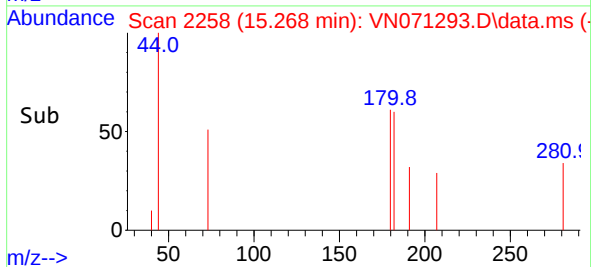
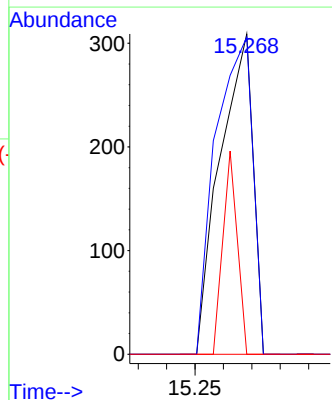
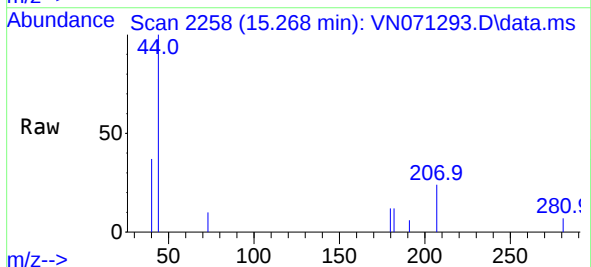
Instrument :
MSVOA_N
ClientSampleId :
DUM-38

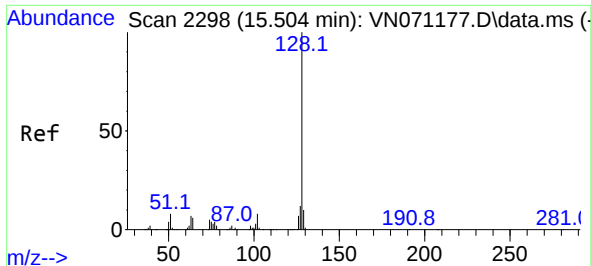
Tgt Ion: 75 Resp: 267940
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.019 ug/l
RT: 15.268 min Scan# 2258
Delta R.T. 0.006 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

Tgt Ion:180 Resp: 249
Ion Ratio Lower Upper
180 100
182 110.8 48.3 144.9
145 27.7 14.5 43.5

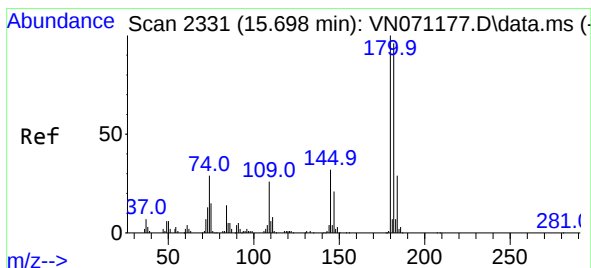
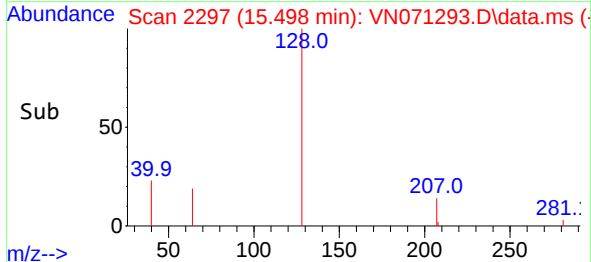
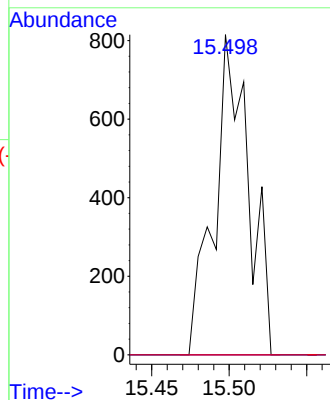
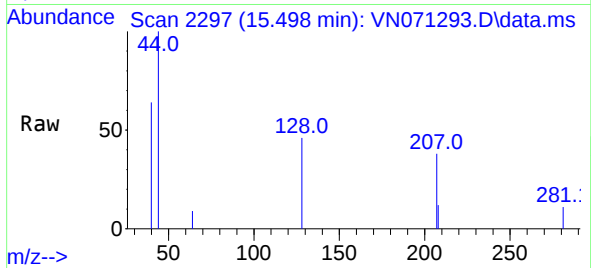




#95
Naphthalene
Concen: 5.120 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

Instrument :
MSVOA_N
ClientSampleId :
DUM-38

Tgt Ion:128 Resp: 1256
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.780 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN071293.D
Acq: 15 Mar 2022 15:40

Tgt Ion:180 Resp: 380
Ion Ratio Lower Upper
180 100
182 21.1 47.4 142.2#
145 0.0 15.0 45.1#

