

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
 Data File : VN072112.D
 Acq On : 21 Apr 2022 05:55
 Operator : JC\MD
 Sample : N2482-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 07:16:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.087	168	621059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1074915	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1145691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	428234	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	330276	46.583	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.160%
35) Dibromofluoromethane	8.022	113	304186	48.091	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.180%
50) Toluene-d8	10.439	98	1375091	53.143	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.280%
62) 4-Bromofluorobenzene	12.727	95	479370	57.283	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	114.560%

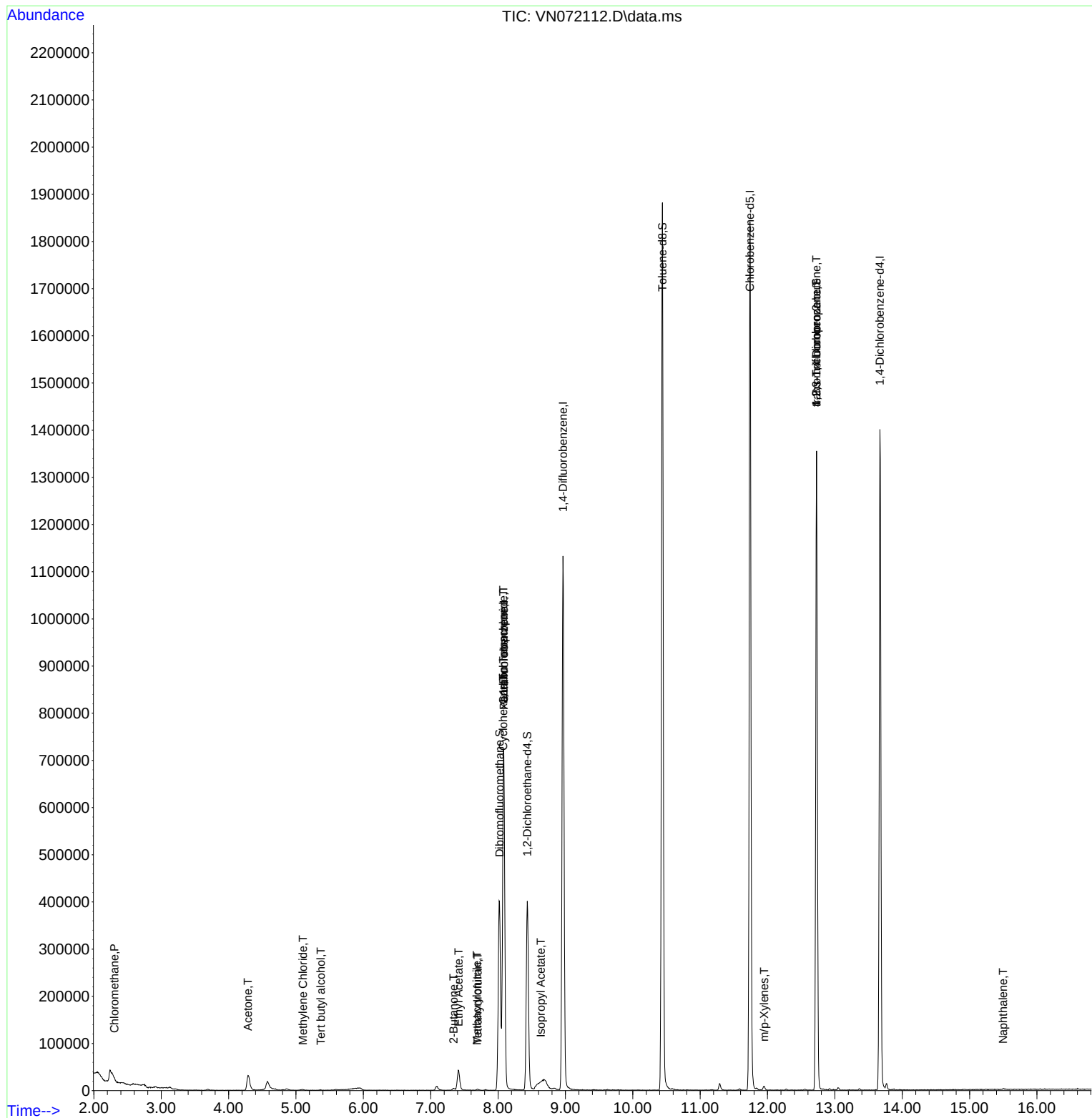
Target Compounds			Qvalue			
3) Chloromethane	2.305	50	1958	0.313	ug/l	90
11) Tert butyl alcohol	5.369	59	674	0.586	ug/l #	72
16) Acetone	4.287	43	58579	19.333	ug/l	94
18) Methyl Acetate	4.857	43	6067	Below Cal	#	76
20) Methylene Chloride	5.104	84	1595	0.250	ug/l #	76
25) 2-Butanone	7.340	43	7454	1.706	ug/l	94
29) Tetrahydrofuran	7.698	42	1320	0.467	ug/l #	81
31) Cyclohexane	8.075	56	9702	1.006	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	41182	4.662	ug/l #	48
37) Ethyl Acetate	7.416	43	64053	6.625	ug/l	95
38) Carbon Tetrachloride	8.081	117	54358	6.279	ug/l #	17
41) Methacrylonitrile	7.687	41	1043	0.220	ug/l #	29
43) Isopropyl Acetate	8.634	43	24662	1.534	ug/l #	55
68) m/p-Xylenes	11.951	106	3171	0.213	ug/l	98
76) 1,2,3-Trichloropropane	12.727	75	229069	23.091	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	229069	71.557	ug/l #	10
95) Naphthalene	15.498	128	2636	3.928	ug/l #	90

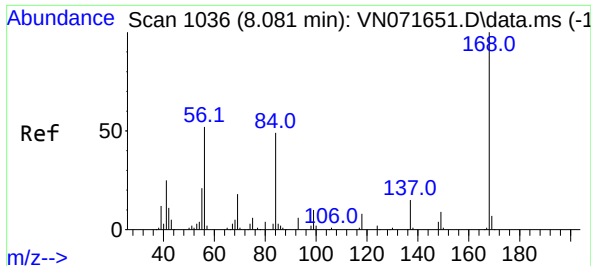
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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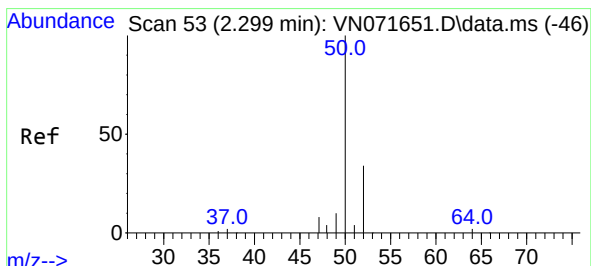
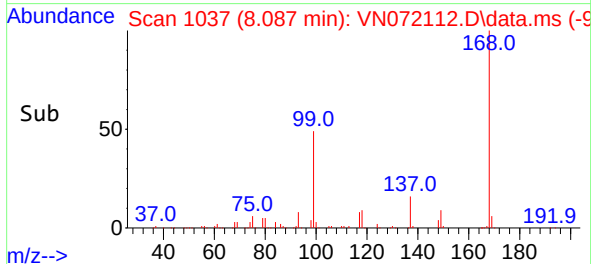
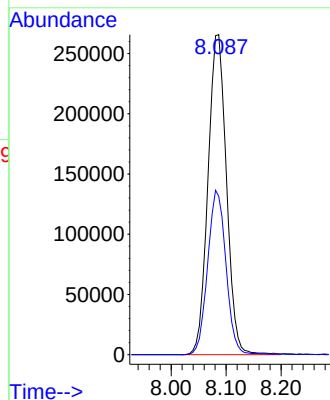
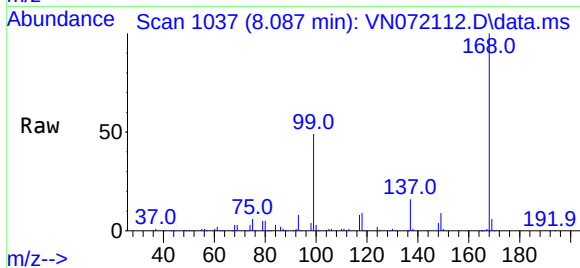




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

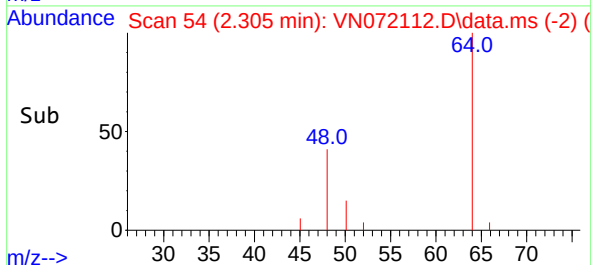
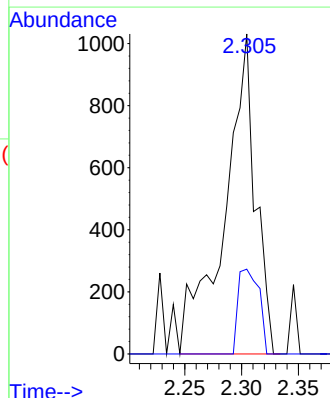
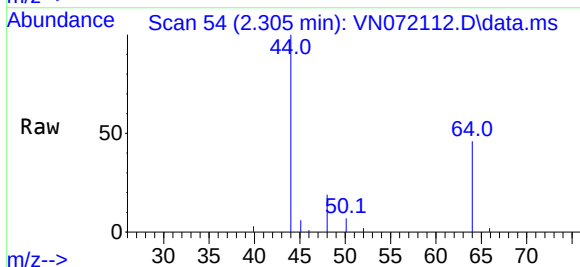
Instrument :
MSVOA_N
ClientSampleId :

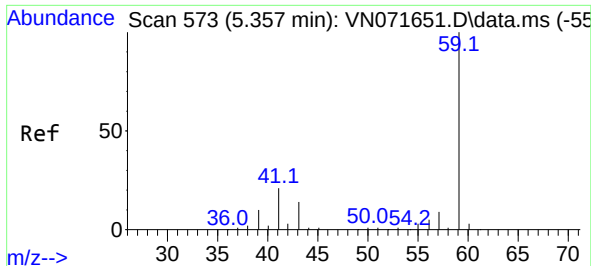
Tgt Ion:168 Resp: 621059
Ion Ratio Lower Upper
168 100
99 49.5 42.3 63.5



#3
Chloromethane
Concen: 0.313 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

Tgt Ion: 50 Resp: 1958
Ion Ratio Lower Upper
50 100
52 26.5 25.7 38.5





#11

Tert butyl alcohol

Concen: 0.586 ug/l

RT: 5.369 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN072112.D

Acq: 21 Apr 2022 05:55

Instrument :

MSVOA_N

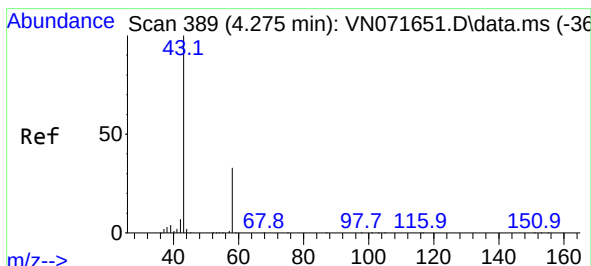
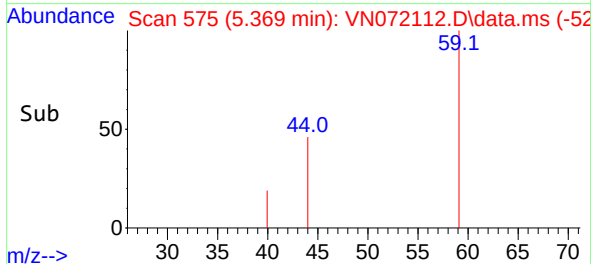
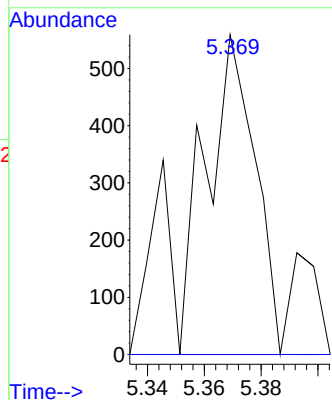
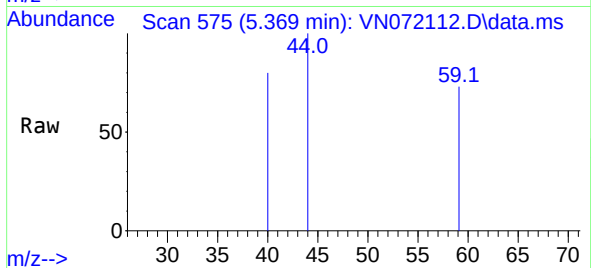
ClientSampleId :

Tgt Ion: 59 Resp: 674

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 19.333 ug/l

RT: 4.287 min Scan# 391

Delta R.T. 0.012 min

Lab File: VN072112.D

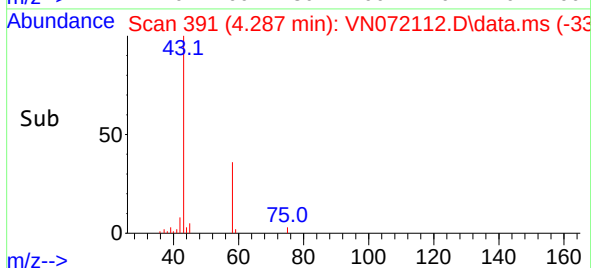
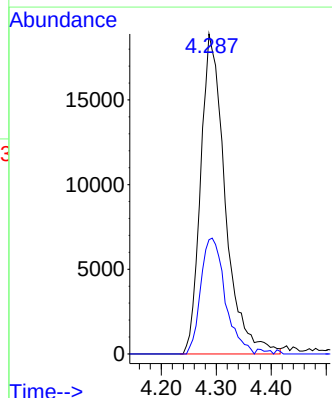
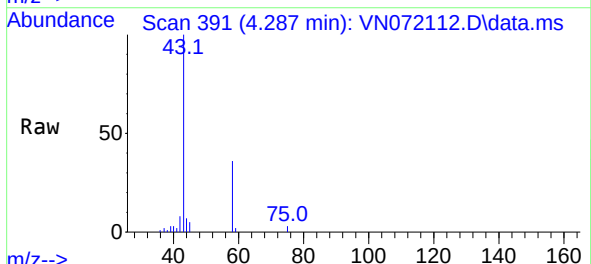
Acq: 21 Apr 2022 05:55

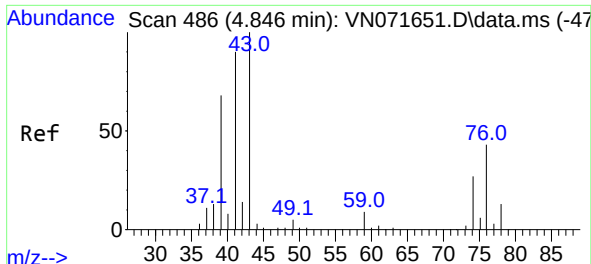
Tgt Ion: 43 Resp: 58579

Ion Ratio Lower Upper

43 100

58 35.7 26.0 39.0

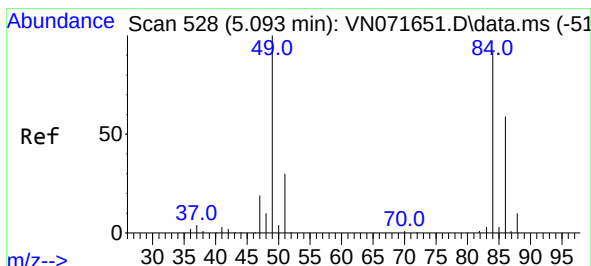
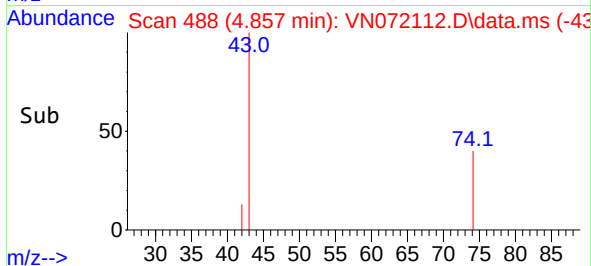
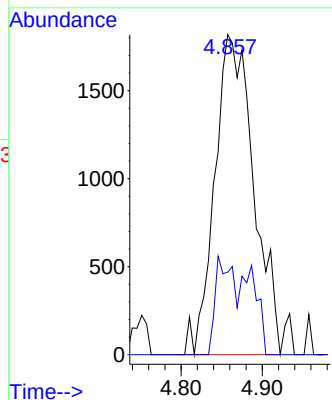
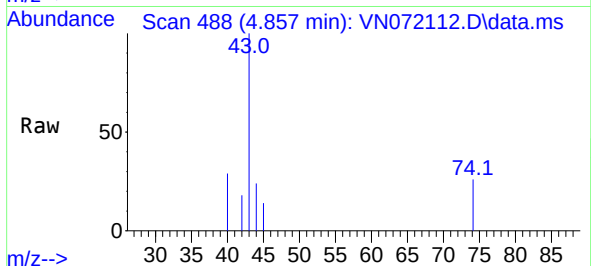




#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

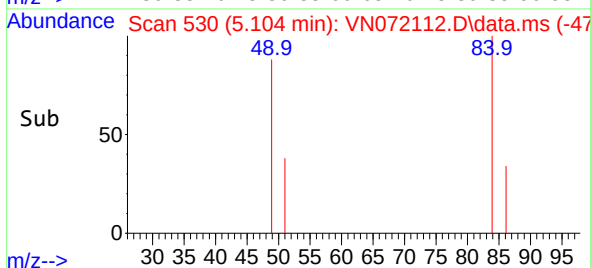
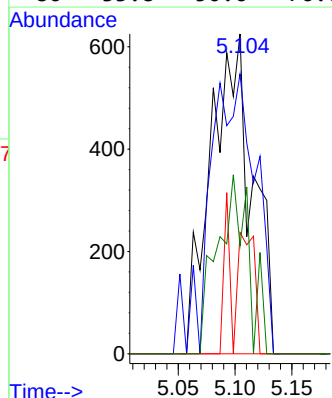
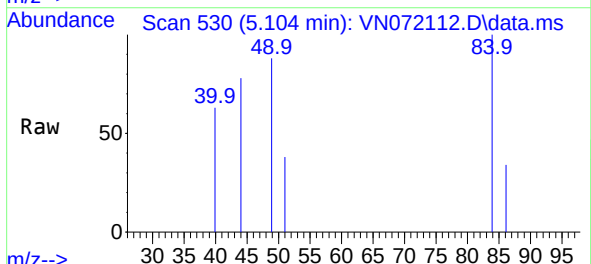
Instrument :
MSVOA_N
ClientSampleId :

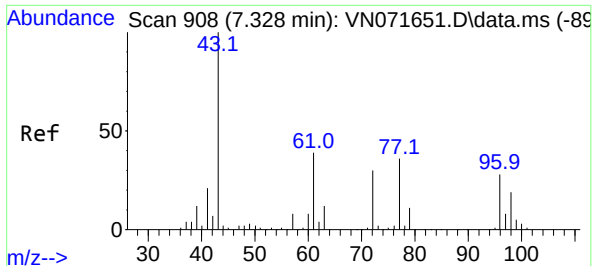
Tgt Ion: 43 Resp: 6067
Ion Ratio Lower Upper
43 100
74 14.3 21.6 32.4#



#20
Methylene Chloride
Concen: 0.250 ug/l
RT: 5.104 min Scan# 530
Delta R.T. 0.011 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

Tgt Ion: 84 Resp: 1595
Ion Ratio Lower Upper
84 100
49 87.5 88.3 132.5#
51 37.9 28.2 42.2
86 33.8 50.6 76.0#





#25

2-Butanone

Concen: 1.706 ug/l

RT: 7.340 min Scan# 910

Delta R.T. 0.011 min

Lab File: VN072112.D

Acq: 21 Apr 2022 05:55

Instrument :

MSVOA_N

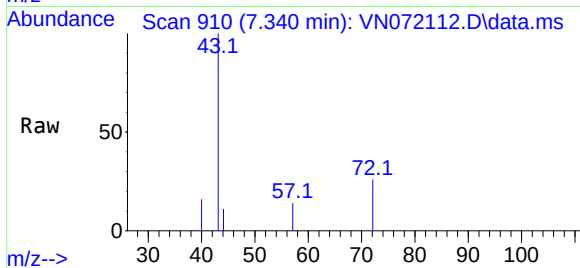
ClientSampleId :

Tgt Ion: 43 Resp: 7454

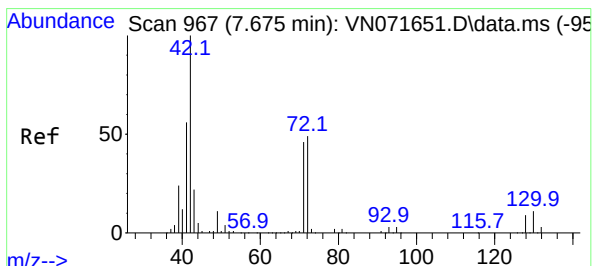
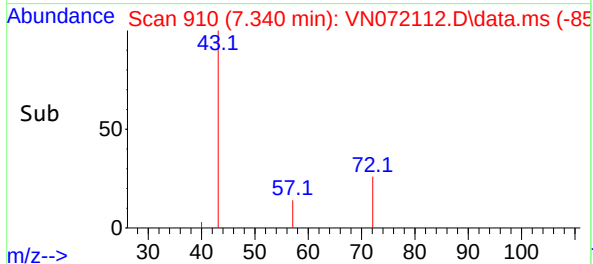
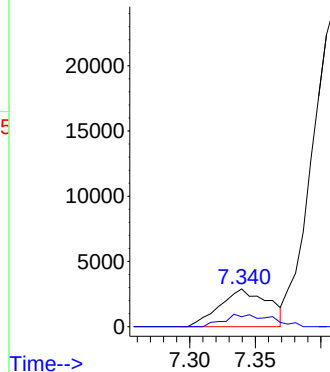
Ion Ratio Lower Upper

43 100

72 26.5 23.7 35.5



Abundance



#29

Tetrahydrofuran

Concen: 0.467 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.023 min

Lab File: VN072112.D

Acq: 21 Apr 2022 05:55

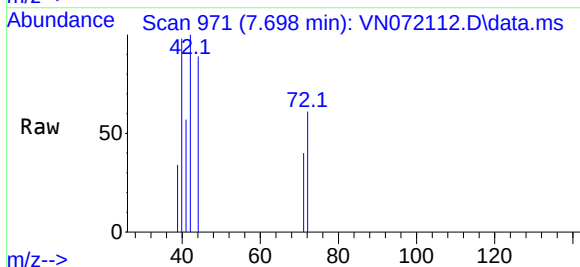
Tgt Ion: 42 Resp: 1320

Ion Ratio Lower Upper

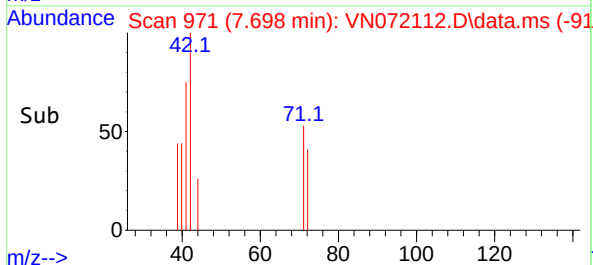
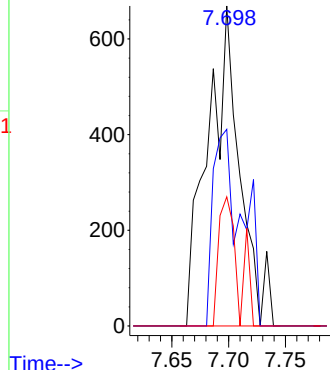
42 100

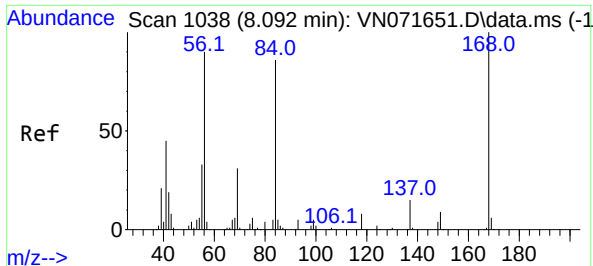
72 54.7 39.7 59.5

71 24.5 36.6 55.0#



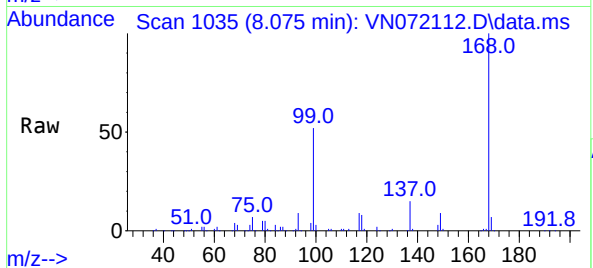
Abundance



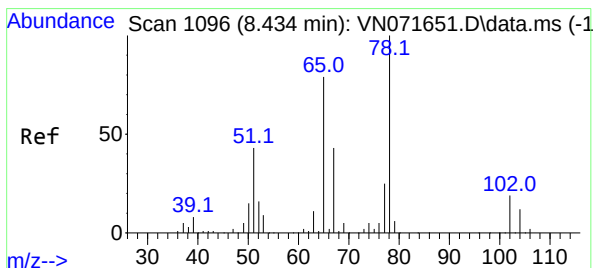
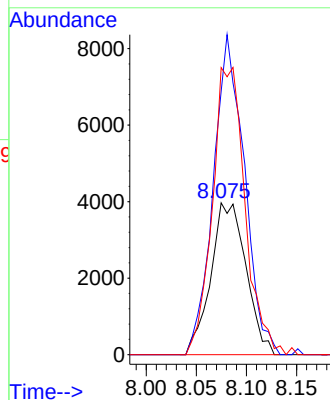
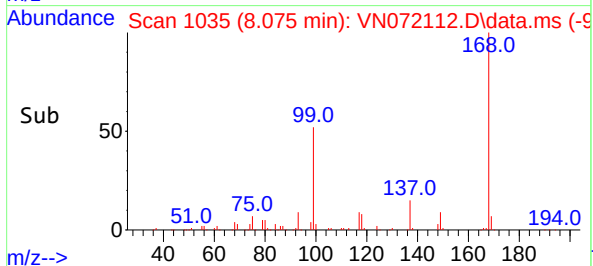


#31
Cyclohexane
Concen: 1.006 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.017 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

Instrument :
MSVOA_N
ClientSampleId :

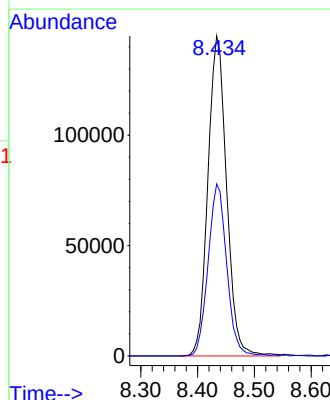
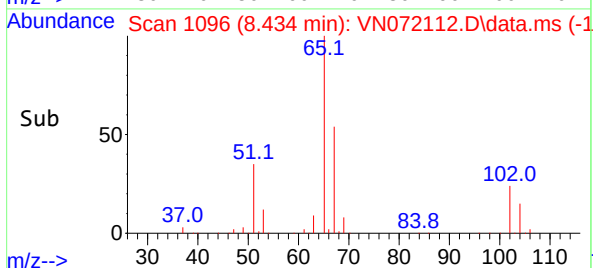
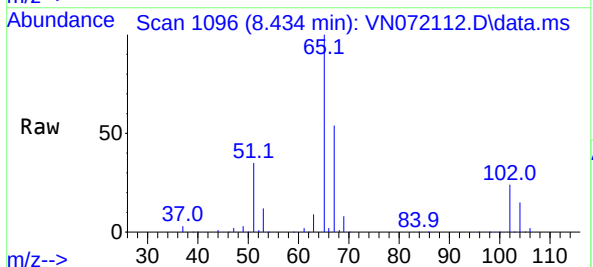


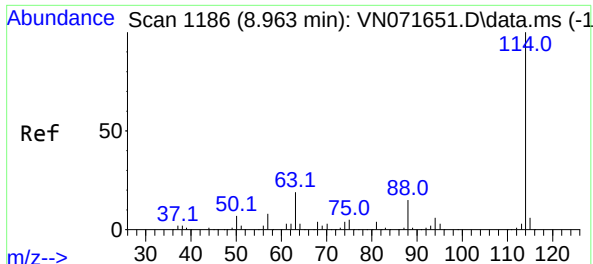
Tgt Ion: 56 Resp: 9702
Ion Ratio Lower Upper
56 100
69 173.5 27.8 41.8#
84 189.1 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.583 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

Tgt Ion: 65 Resp: 330276
Ion Ratio Lower Upper
65 100
67 53.6 0.0 104.8

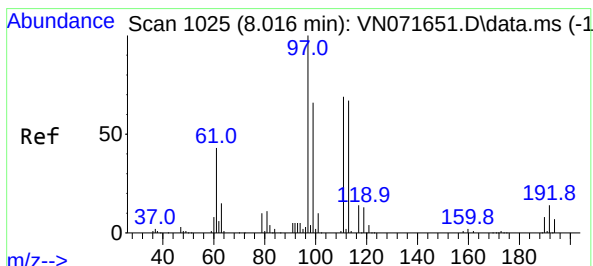
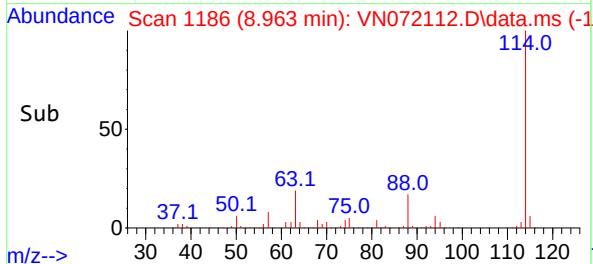
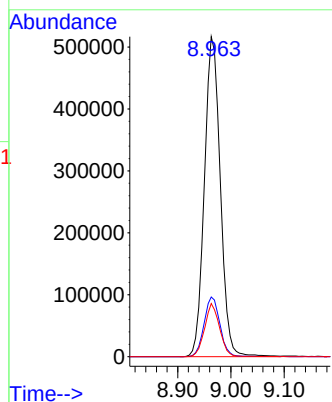
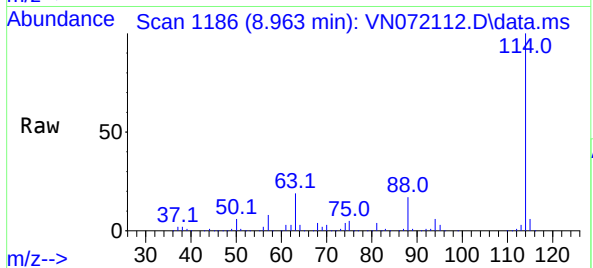




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

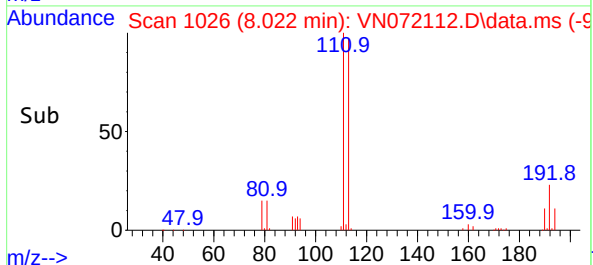
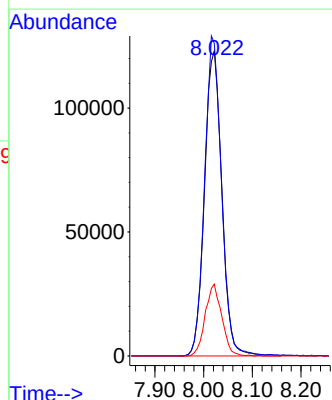
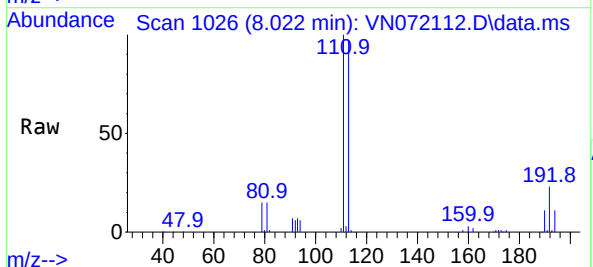
Instrument :
MSVOA_N
ClientSampleId :

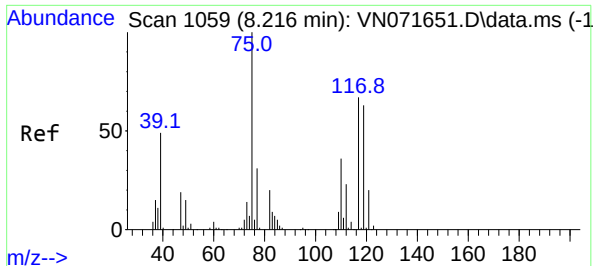
Tgt Ion:114 Resp: 1074915
Ion Ratio Lower Upper
114 100
63 18.6 0.0 40.0
88 16.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.091 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

Tgt Ion:113 Resp: 304186
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 22.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.662 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

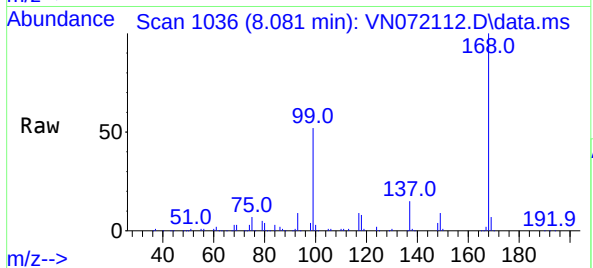
Lab File: VN072112.D

Acq: 21 Apr 2022 05:55

Instrument :

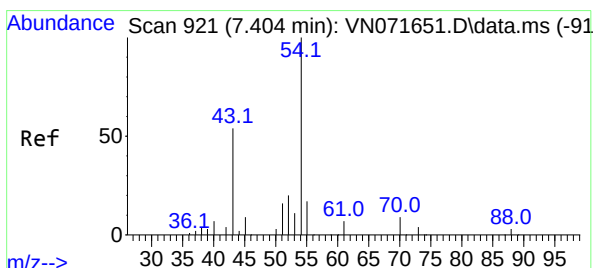
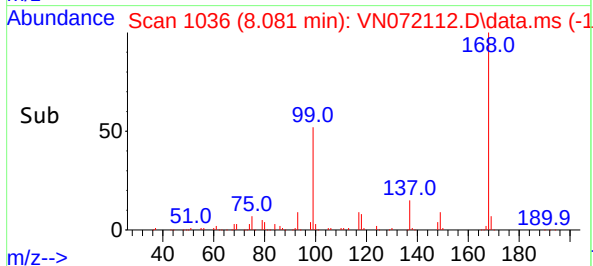
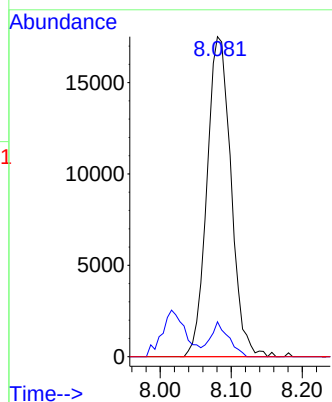
MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 41182

Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.3	54.8#
77	0.0	25.1	37.7#



#37

Ethyl Acetate

Concen: 6.625 ug/l

RT: 7.416 min Scan# 923

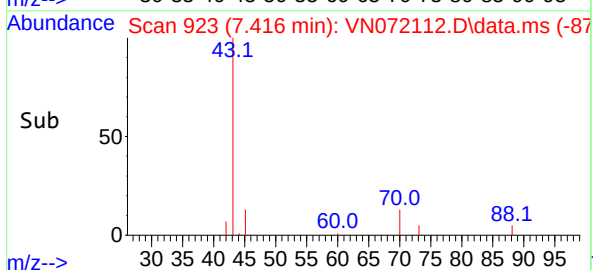
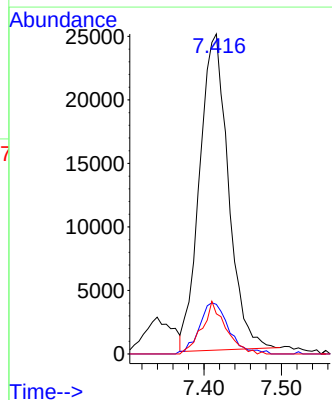
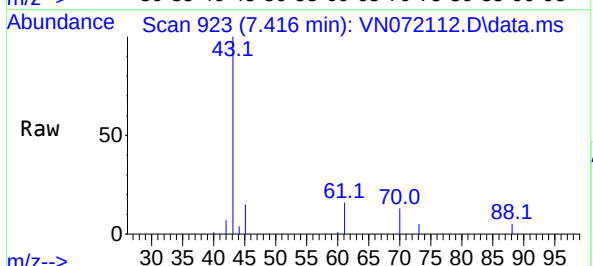
Delta R.T. 0.012 min

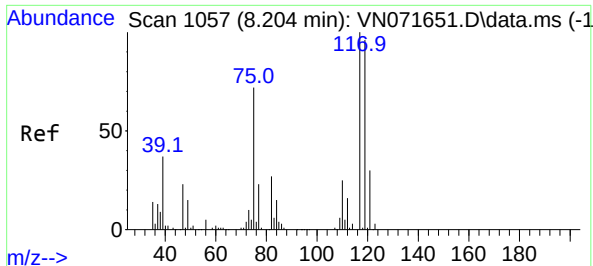
Lab File: VN072112.D

Acq: 21 Apr 2022 05:55

Tgt Ion: 43 Resp: 64053

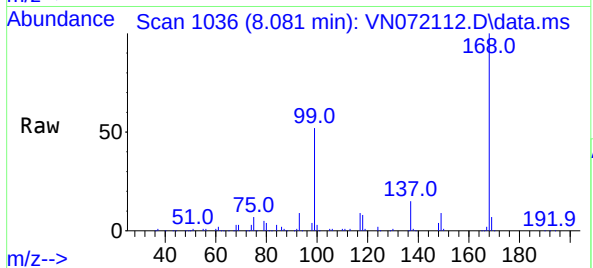
Ion	Ratio	Lower	Upper
43	100		
61	16.6	11.8	17.6
70	13.8	9.3	13.9



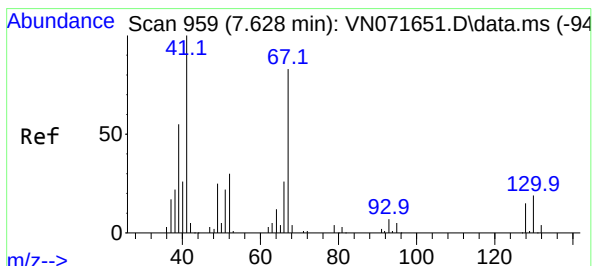
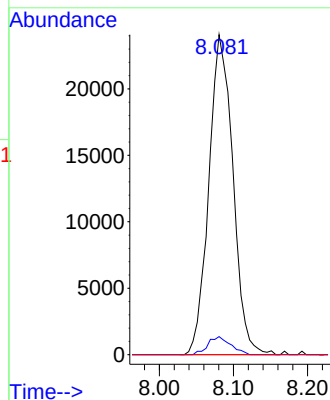
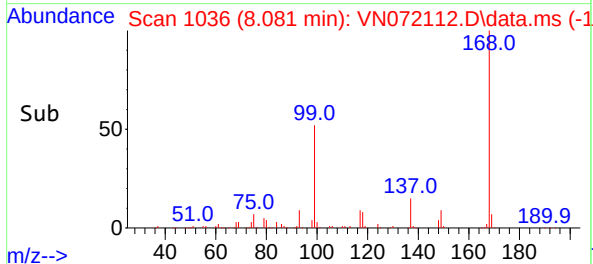


#38
Carbon Tetrachloride
Concen: 6.279 ug/l
RT: 8.081 min Scan# 117
Delta R.T. -0.123 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

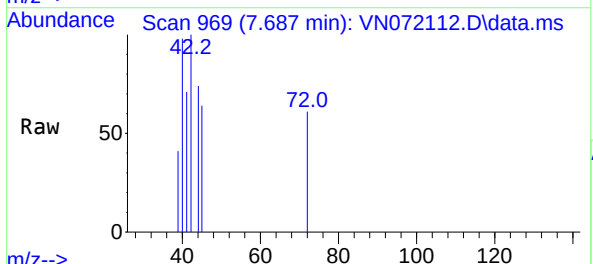
Instrument :
MSVOA_N
ClientSampleId :



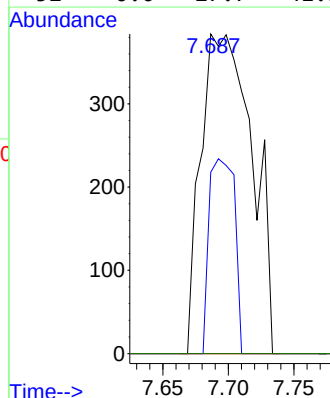
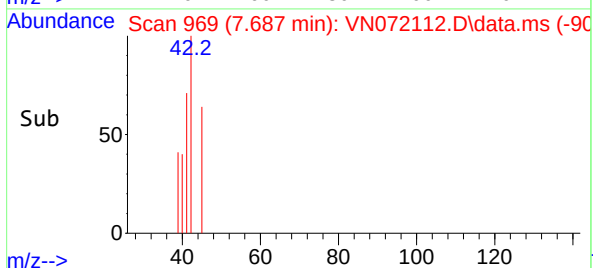
Tgt Ion:117 Resp: 54358
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 24.6 37.0#

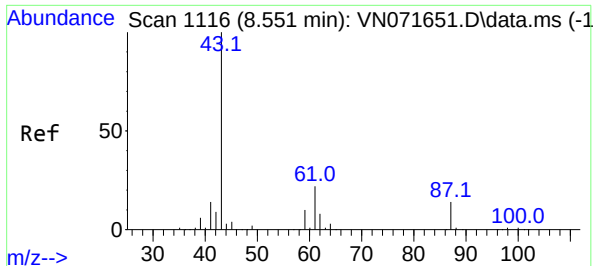


#41
Methacrylonitrile
Concen: 0.220 ug/l
RT: 7.687 min Scan# 969
Delta R.T. 0.059 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55



Tgt Ion: 41 Resp: 1043
Ion Ratio Lower Upper
41 100
39 30.2 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#43

Isopropyl Acetate

Concen: 1.534 ug/l

RT: 8.634 min Scan# 1116

Delta R.T. 0.083 min

Lab File: VN072112.D

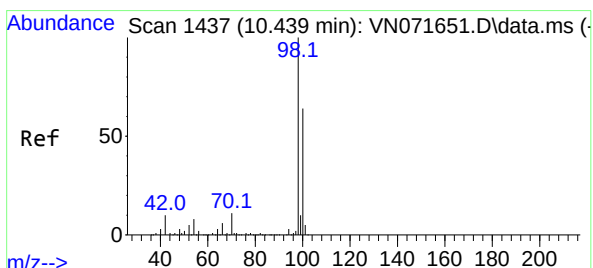
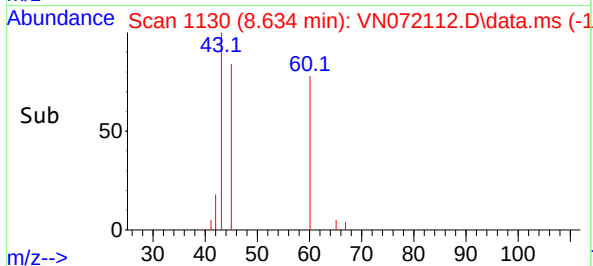
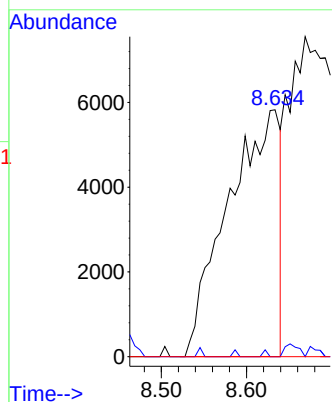
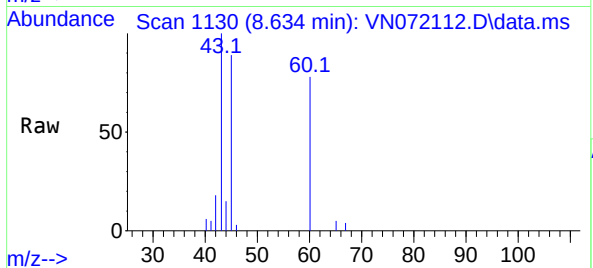
Acq: 21 Apr 2022 05:55

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 24662
Ion Ratio	Lower Upper
43	100
61	1.4 21.9 32.9#
87	0.0 12.0 18.0#



#50

Toluene-d8

Concen: 53.143 ug/l

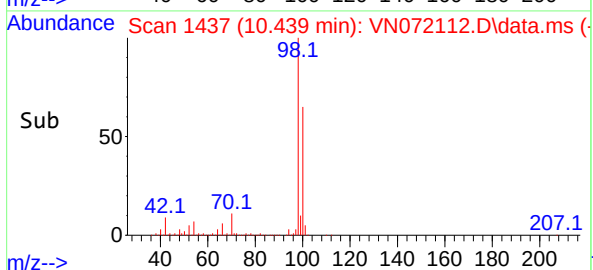
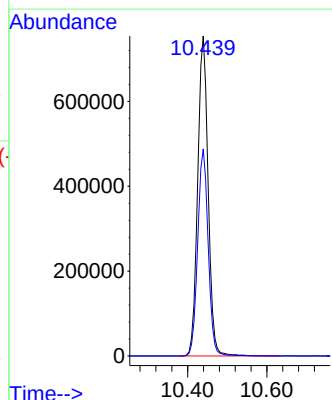
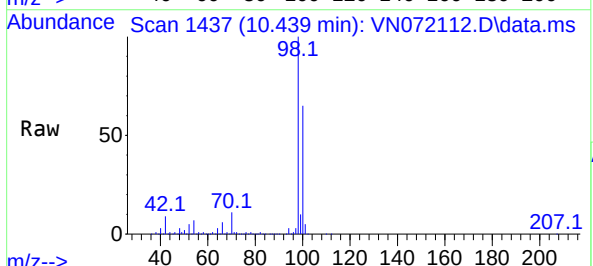
RT: 10.439 min Scan# 1437

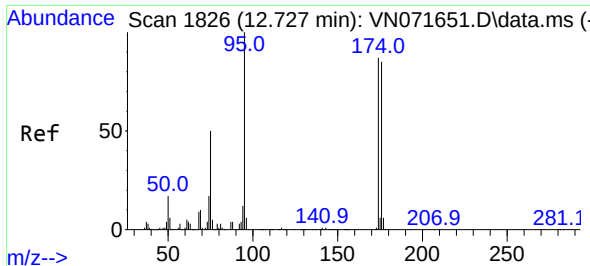
Delta R.T. 0.000 min

Lab File: VN072112.D

Acq: 21 Apr 2022 05:55

Tgt Ion: 98	Resp: 1375091
Ion Ratio	Lower Upper
98	100
100	64.9 52.6 78.8

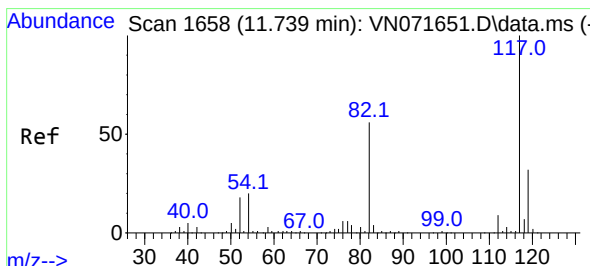
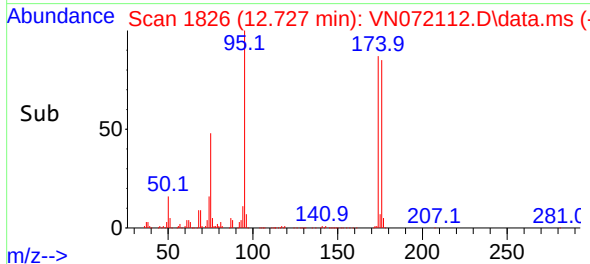
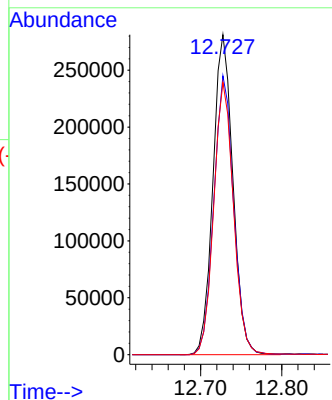
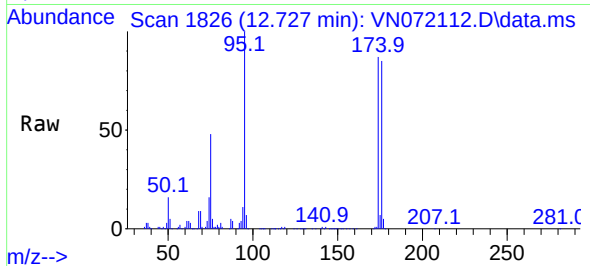




#62
4-Bromofluorobenzene
Concen: 57.283 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

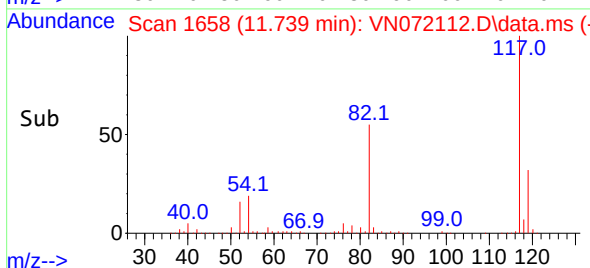
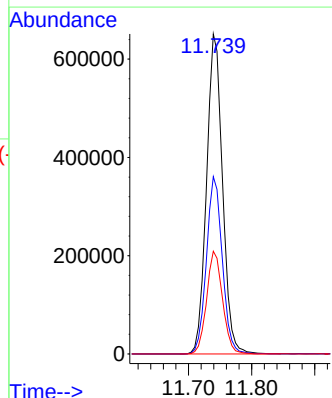
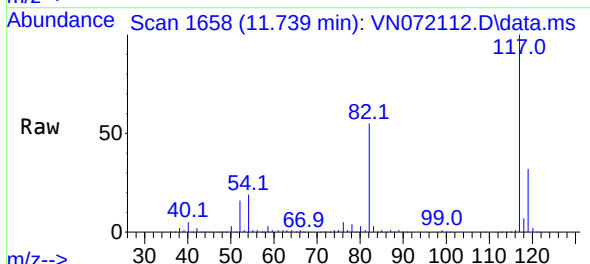
Instrument :
MSVOA_N
ClientSampleId :

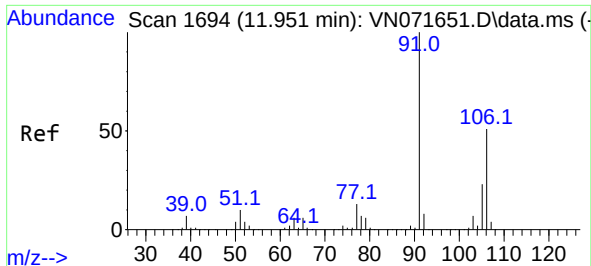
Tgt Ion: 95 Resp: 479370
Ion Ratio Lower Upper
95 100
174 86.7 0.0 167.6
176 84.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

Tgt Ion: 117 Resp: 1145691
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 32.1 25.4 38.0

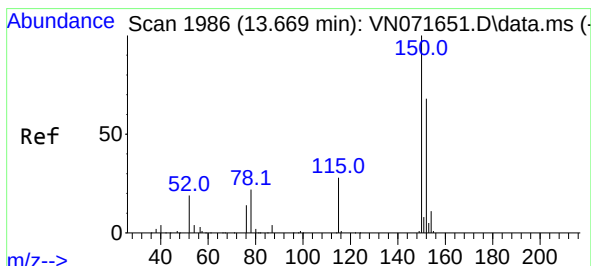
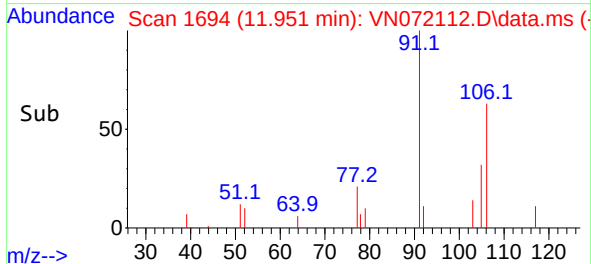
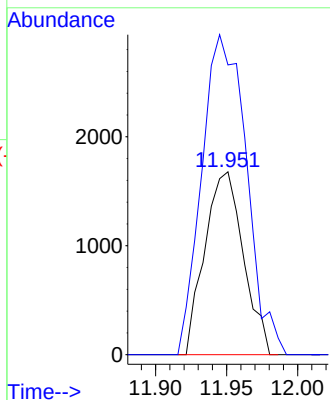
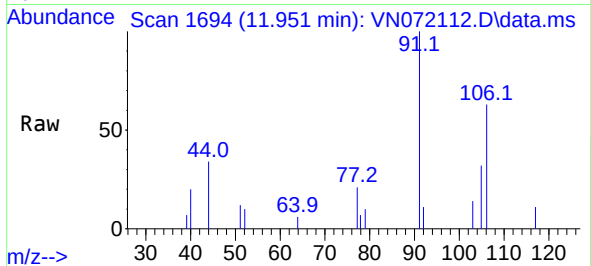




#68
m/p-Xylenes
Concen: 0.213 ug/l
RT: 11.951 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

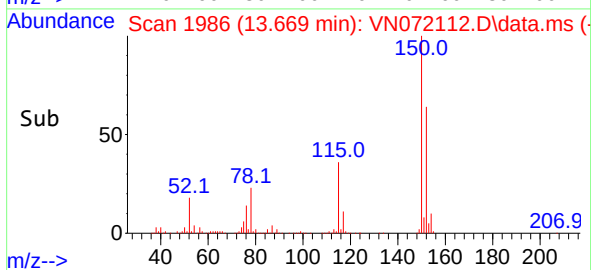
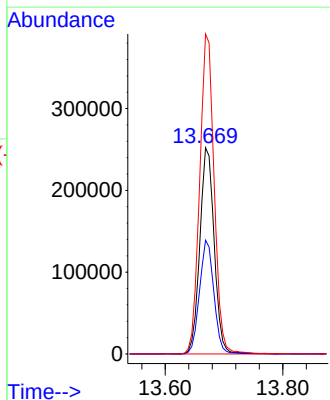
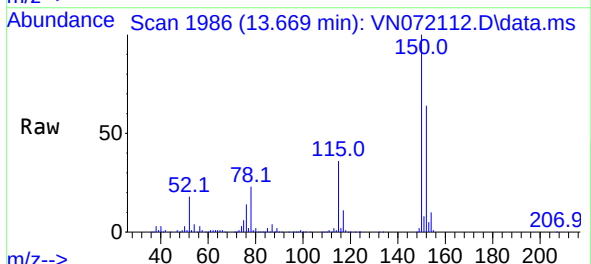
Instrument :
MSVOA_N
ClientSampleId :

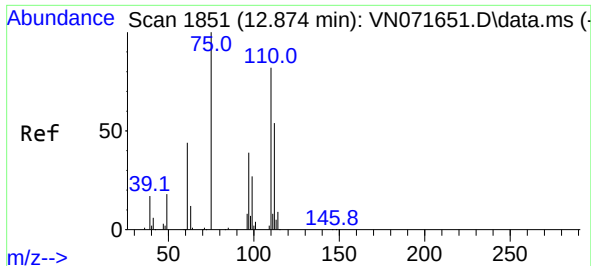
Tgt Ion:106 Resp: 3171
Ion Ratio Lower Upper
106 100
91 202.3 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

Tgt Ion:152 Resp: 428234
Ion Ratio Lower Upper
152 100
115 55.0 28.9 86.7
150 156.1 0.0 356.2

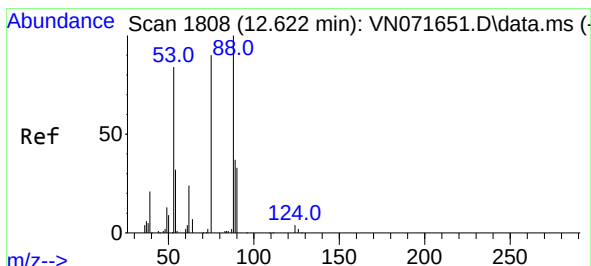
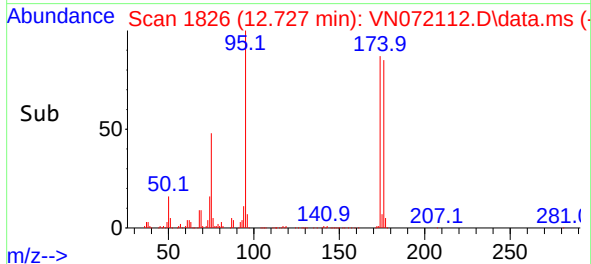
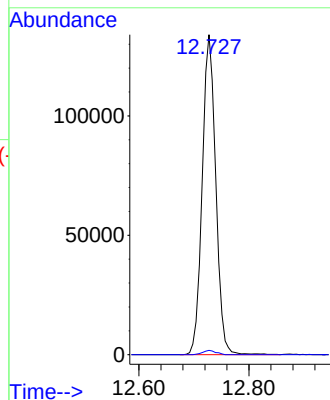
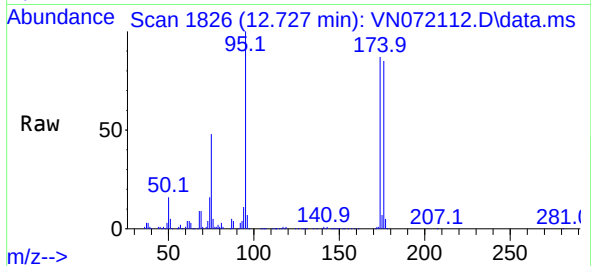




#76
1,2,3-Trichloropropane
Concen: 23.091 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

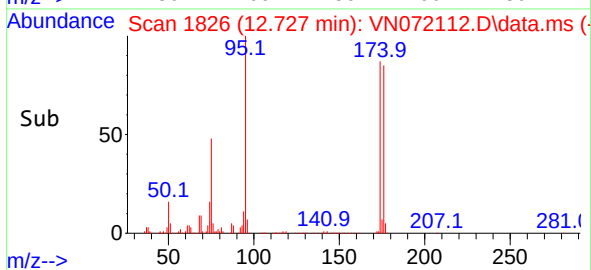
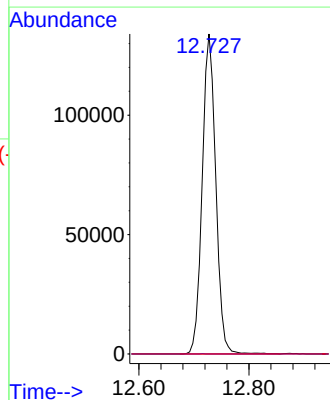
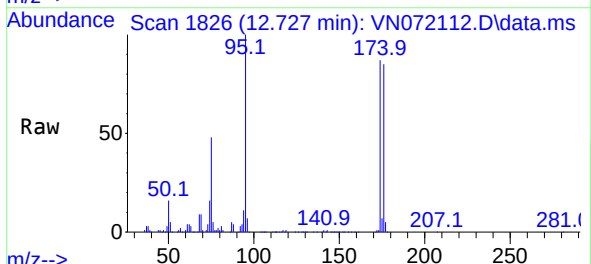
Instrument :
MSVOA_N
ClientSampleId :

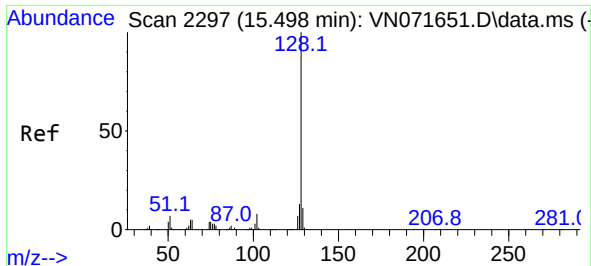
Tgt Ion: 75 Resp: 229069
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.557 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

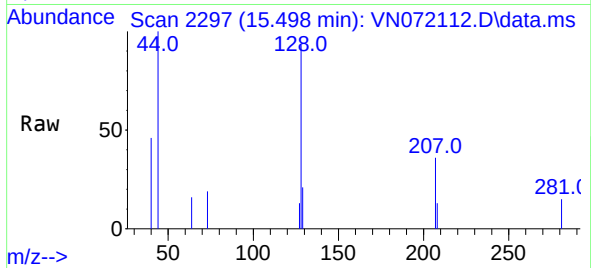
Tgt Ion: 75 Resp: 229069
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 3.928 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072112.D
Acq: 21 Apr 2022 05:55

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 2636
Ion Ratio Lower Upper
128 100
127 7.7 10.3 15.5#
129 8.4 8.6 13.0#

