

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062521\  
 Data File : VN067519.D  
 Acq On : 25 Jun 2021 21:14  
 Operator : JC/MD  
 Sample : M2846-03  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampled :

Quant Time: Jun 26 00:41:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062421W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 24 12:18:45 2021  
 Response via : Initial Calibration

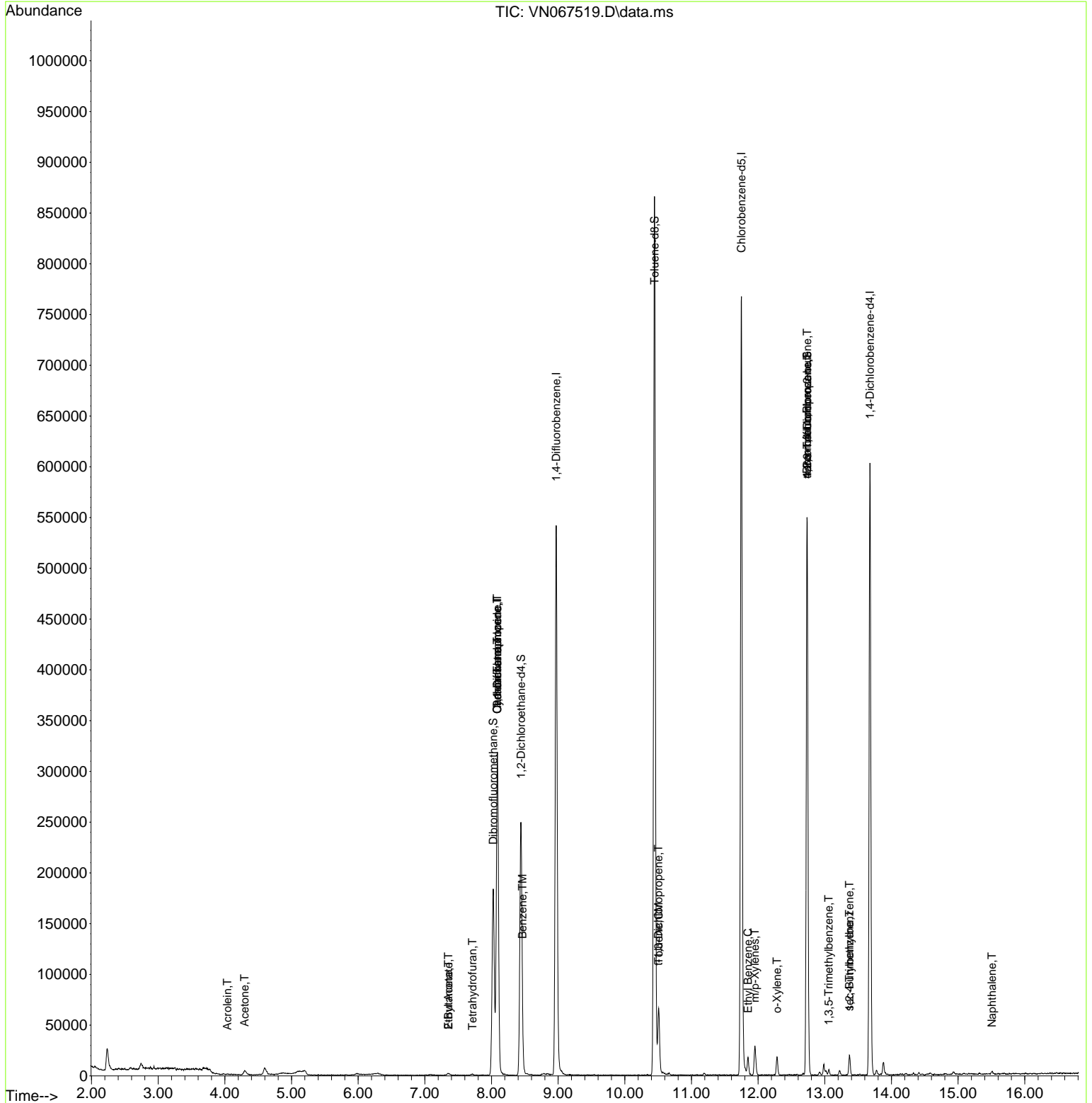
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Pentafluorobenzene	8.088	168	182658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	416660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	383399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	123285	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	209204	55.96	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	111.92%	
35) Dibromofluoromethane	8.027	113	128751	50.16	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	100.32%	
50) Toluene-d8	10.446	98	577929	52.79	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.736	95	202591	51.94	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	103.88%	
Target Compounds						
						Qvalue
13) Acrolein	4.038	56	221	0.43	ug/l #	52
16) Acetone	4.296	43	8198	5.73	ug/l	90
25) 2-Butanone	7.353	43	3516	1.58	ug/l	99
29) Tetrahydrofuran	7.715	42	970	0.69	ug/l #	45
31) Cyclohexane	8.086	56	8158	1.36	ug/l #	31
36) 1,1-Dichloropropene	8.088	75	25366	5.40	ug/l #	51
37) Ethyl Acetate	7.353	43	3516	0.71	ug/l #	69
38) Carbon Tetrachloride	8.086	117	24842	6.21	ug/l #	16
40) Benzene	8.464	78	3953	0.29	ug/l	99
52) Toluene	10.507	92	24908	3.09	ug/l	98
53) t-1,3-Dichloropropene	10.505	75	225	2.04	ug/l	96
67) Ethyl Benzene	11.848	91	12583	0.78	ug/l	97
68) m/p-Xylenes	11.953	106	7730	1.41	ug/l	87
69) o-Xylene	12.283	106	4314	0.79	ug/l	97
71) Bromoform	12.733	173	869	3.05	ug/l #	1
76) 1,2,3-Trichloropropane	12.736	75	125715	34.65	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.061	105	2906	0.28	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.736	75	125715	94.80	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.372	105	11683	1.16	ug/l	99
85) sec-Butylbenzene	13.372	105	11683	0.96	ug/l #	59
95) Naphthalene	15.507	128	2486	3.67	ug/l #	85
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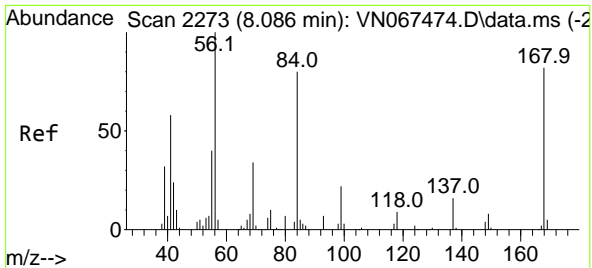
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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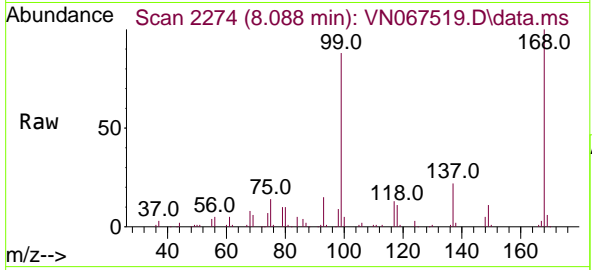
Quant Time: Jun 26 00:41:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062421W.M  
 Quant Title : SW846 8260  
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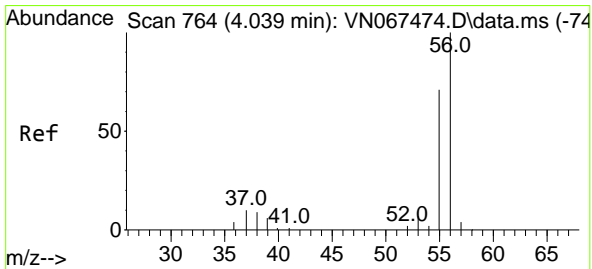
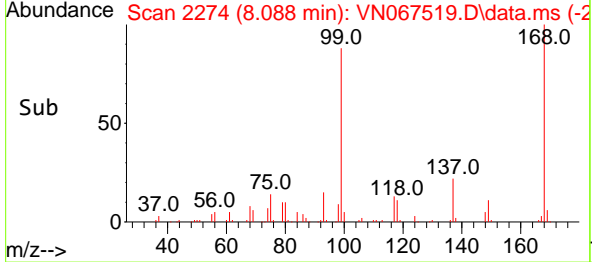
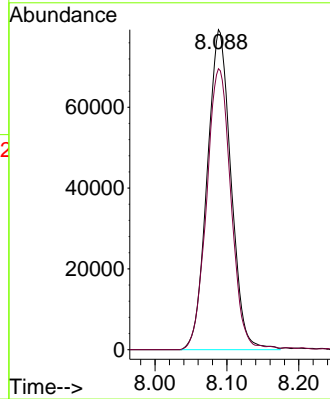


#1  
 Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.088 min Scan# 2274  
 Delta R.T. 0.002 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

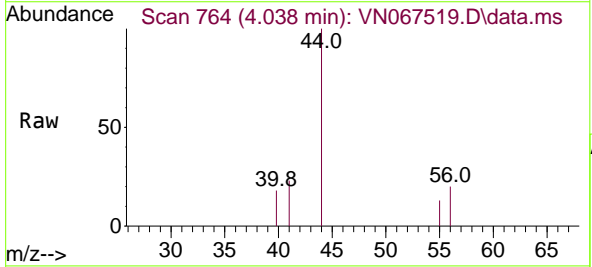
Instrument :  
 MSVOA\_N  
 ClientSampled :



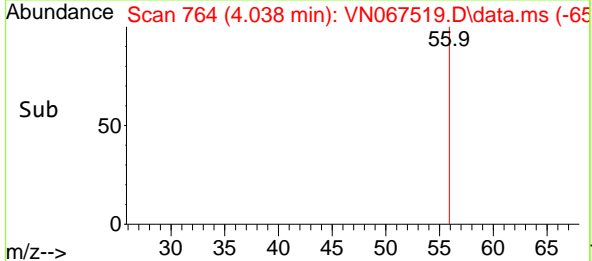
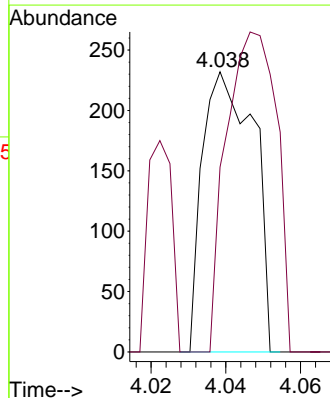
Tgt Ion:168 Resp: 182658  
 Ion Ratio Lower Upper  
 168 100  
 99 87.8 62.9 94.3

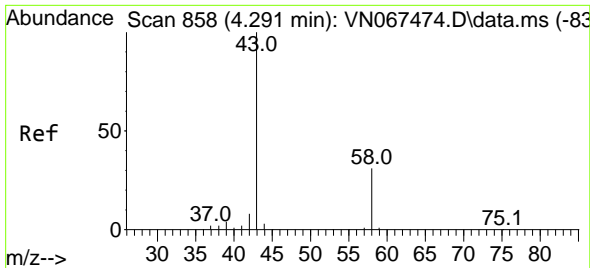


#13  
 Acrolein  
 Concen: 0.43 ug/l  
 RT: 4.038 min Scan# 764  
 Delta R.T. -0.001 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14



Tgt Ion: 56 Resp: 221  
 Ion Ratio Lower Upper  
 56 100  
 55 111.3 57.4 86.0#

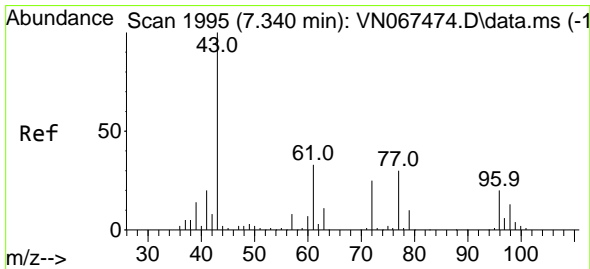
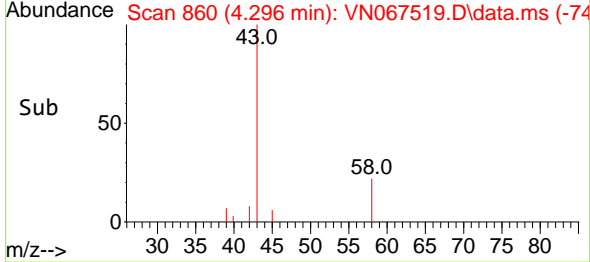
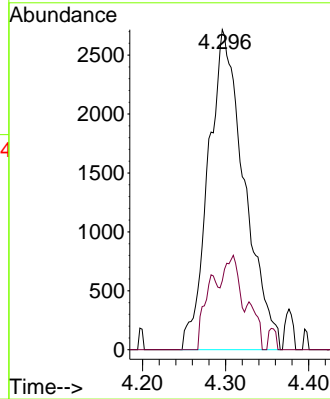
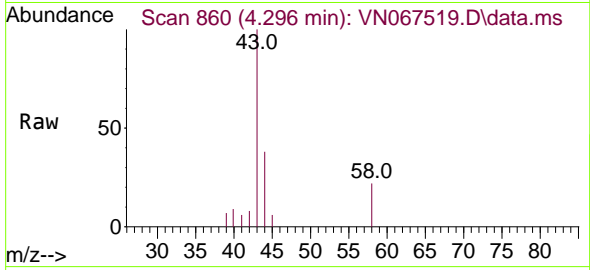




#16  
 Acetone  
 Concen: 5.73 ug/l  
 RT: 4.296 min Scan# 860  
 Delta R.T. 0.005 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

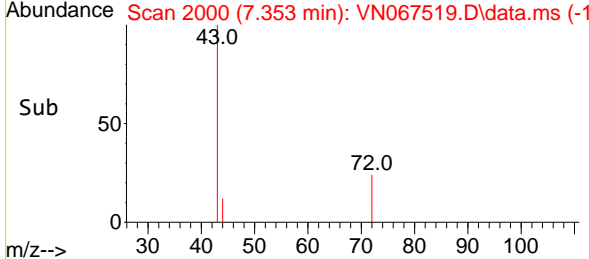
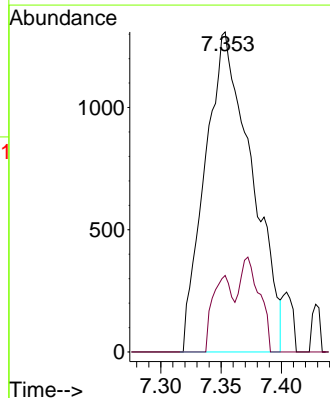
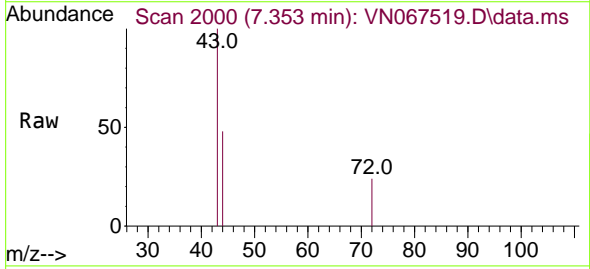
Instrument :  
 MSVOA\_N  
 ClientSampled :

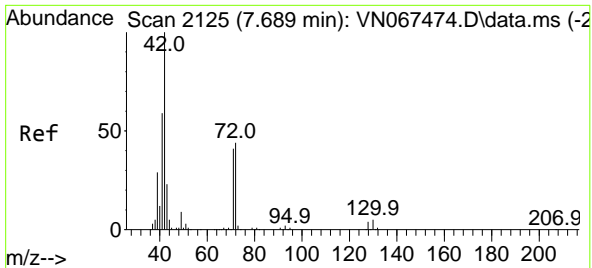
Tgt Ion: 43 Resp: 8198  
 Ion Ratio Lower Upper  
 43 100  
 58 21.5 21.2 31.8



#25  
 2-Butanone  
 Concen: 1.58 ug/l  
 RT: 7.353 min Scan# 2000  
 Delta R.T. 0.013 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

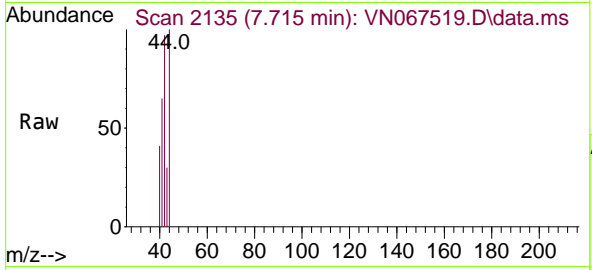
Tgt Ion: 43 Resp: 3516  
 Ion Ratio Lower Upper  
 43 100  
 72 23.9 19.7 29.5





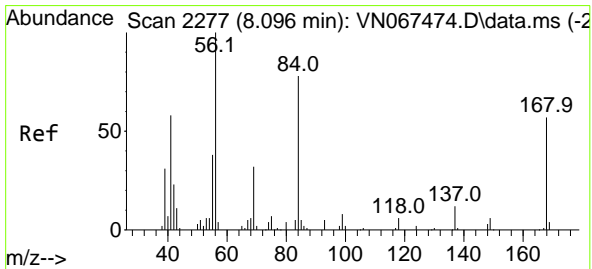
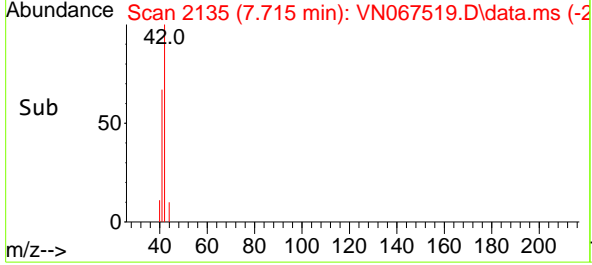
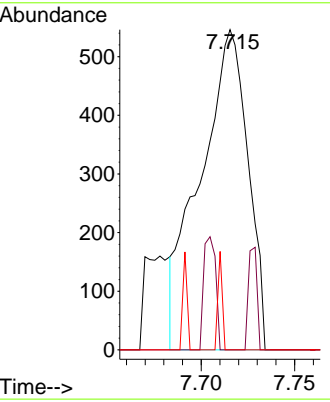
#29  
 Tetrahydrofuran  
 Concen: 0.69 ug/l  
 RT: 7.715 min Scan# 2135  
 Delta R.T. 0.026 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

Instrument :  
 MSVOA\_N  
 ClientSampled :

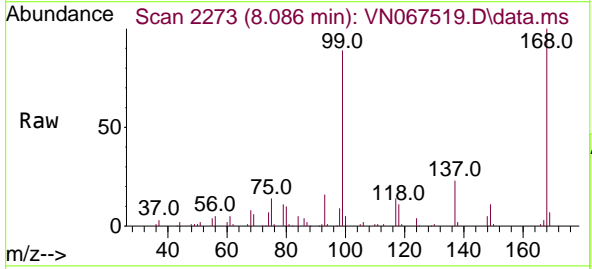


Tgt Ion: 42 Resp: 970

Ion	Ratio	Lower	Upper
42	100		
72	8.9	32.8	49.2#
71	2.8	31.2	46.8#

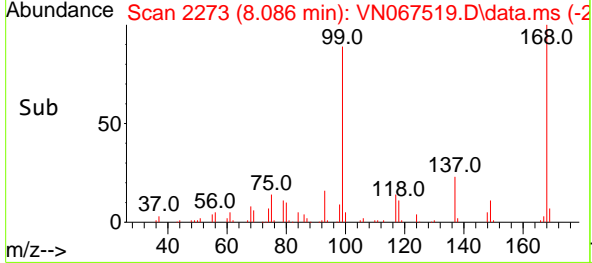
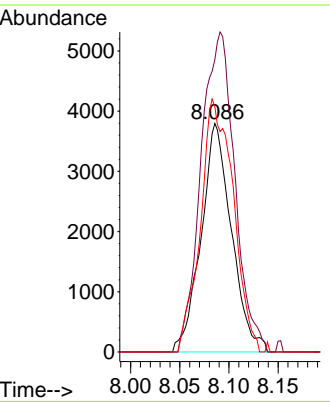


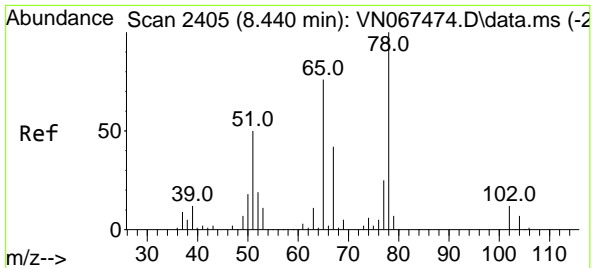
#31  
 Cyclohexane  
 Concen: 1.36 ug/l  
 RT: 8.086 min Scan# 2273  
 Delta R.T. -0.010 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14



Tgt Ion: 56 Resp: 8158

Ion	Ratio	Lower	Upper
56	100		
69	127.9	27.3	40.9#
84	107.3	64.9	97.3#

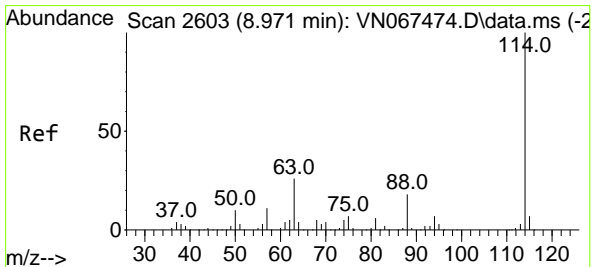
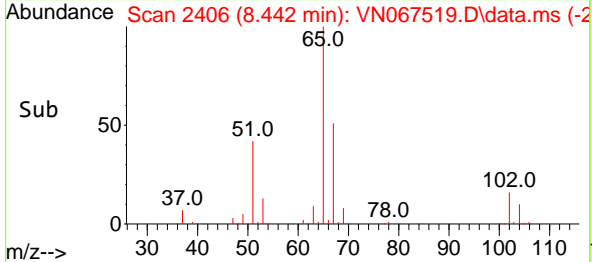
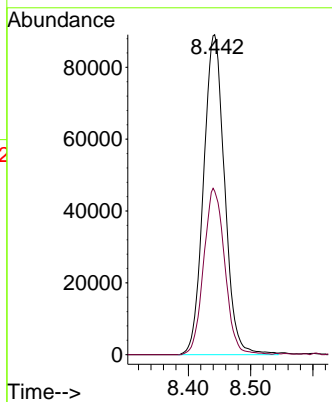
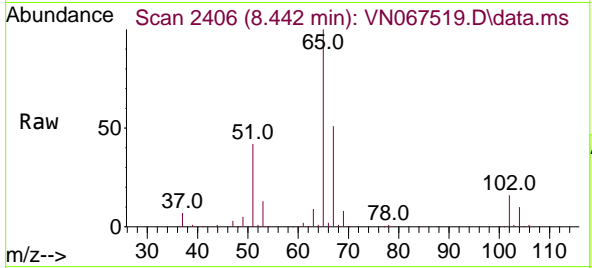




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.96 ug/l  
 RT: 8.442 min Scan# 2406  
 Delta R.T. 0.002 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

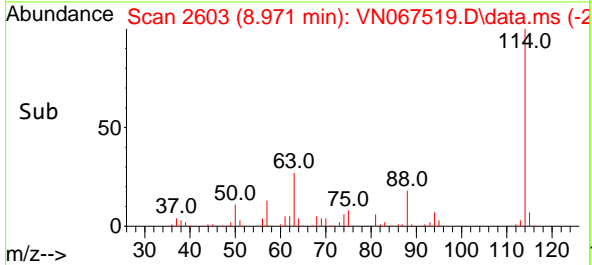
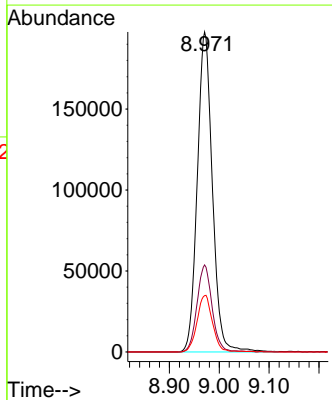
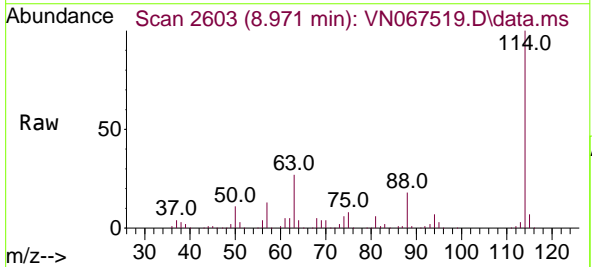
Instrument :  
 MSVOA\_N  
 ClientSampled :

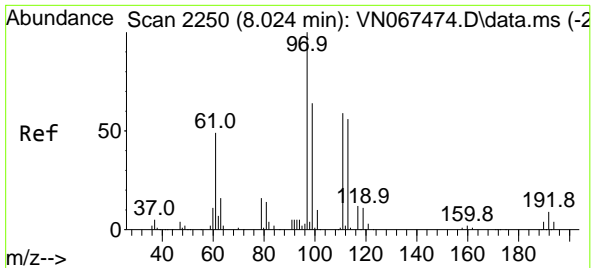
Tgt Ion: 65 Resp: 209204  
 Ion Ratio Lower Upper  
 65 100  
 67 52.2 0.0 98.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.971 min Scan# 2603  
 Delta R.T. -0.000 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

Tgt Ion:114 Resp: 416660  
 Ion Ratio Lower Upper  
 114 100  
 63 27.2 0.0 49.0  
 88 17.6 0.0 36.6

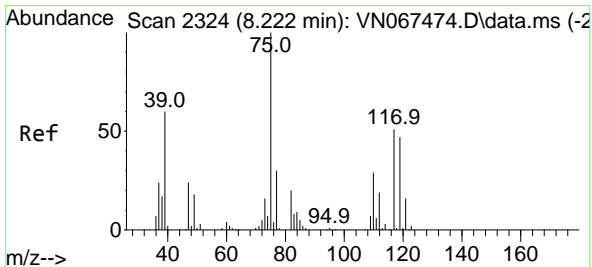
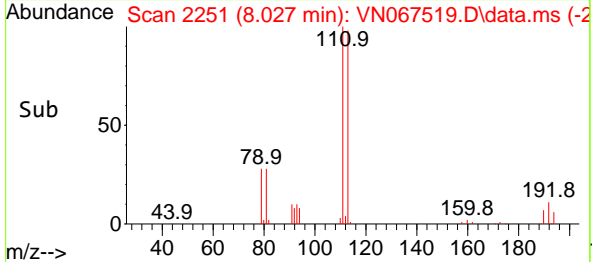
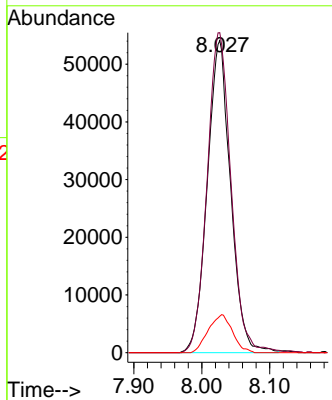
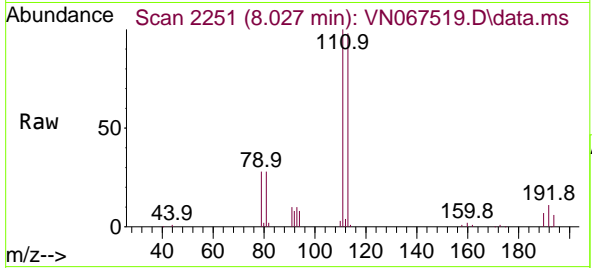




#35  
 Dibromofluoromethane  
 Concen: 50.16 ug/l  
 RT: 8.027 min Scan# 2251  
 Delta R.T. 0.003 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

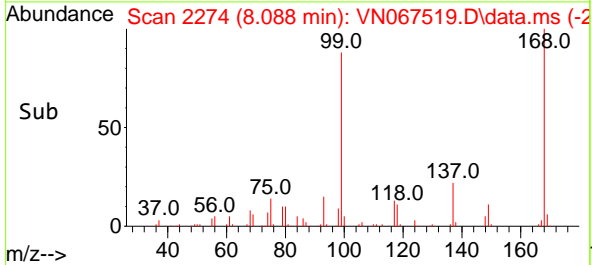
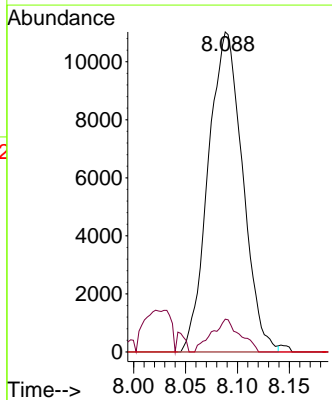
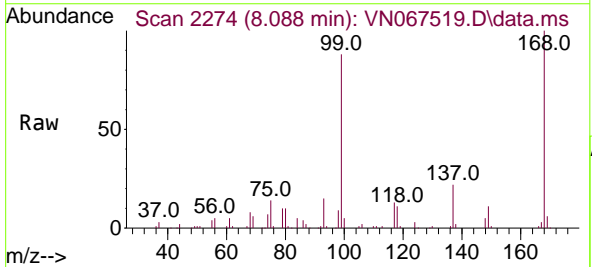
Instrument :  
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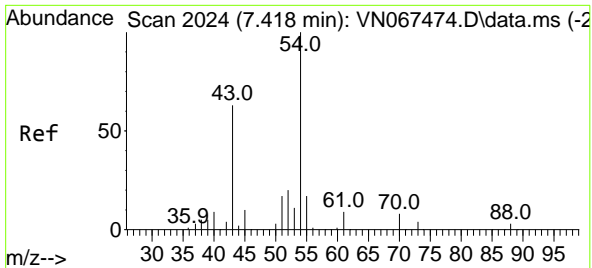
Tgt Ion	Resp	Lower	Upper
113	128751		
113	100		
111	104.1	83.8	125.8
192	12.6	13.4	20.0#



#36  
 1,1-Dichloropropene  
 Concen: 5.40 ug/l  
 RT: 8.088 min Scan# 2274  
 Delta R.T. -0.134 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

Tgt Ion	Resp	Lower	Upper
75	25366		
75	100		
110	8.4	15.7	47.0#
77	0.0	24.6	37.0#

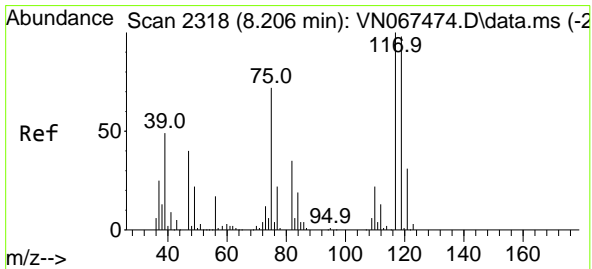
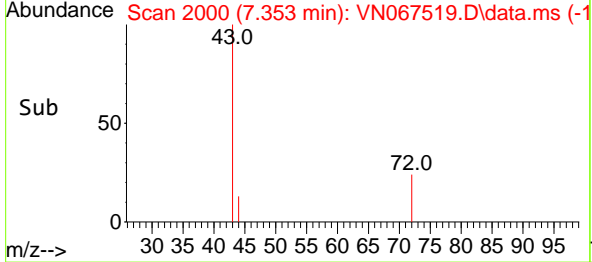
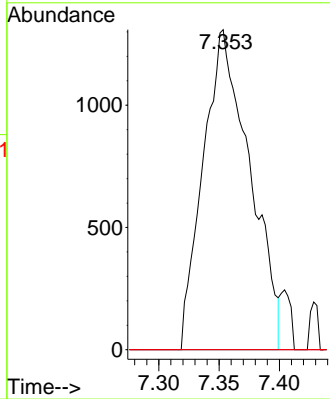
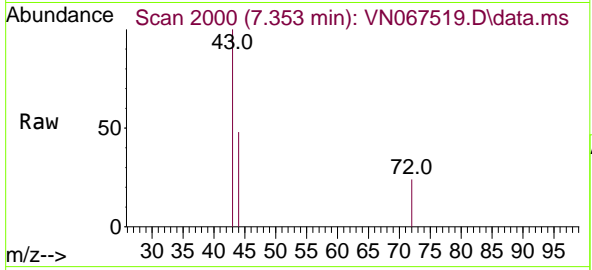




#37  
 Ethyl Acetate  
 Concen: 0.71 ug/l  
 RT: 7.353 min Scan# 2000  
 Delta R.T. -0.065 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

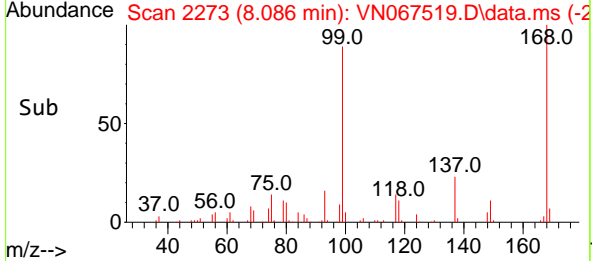
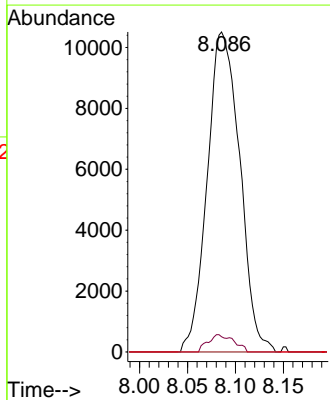
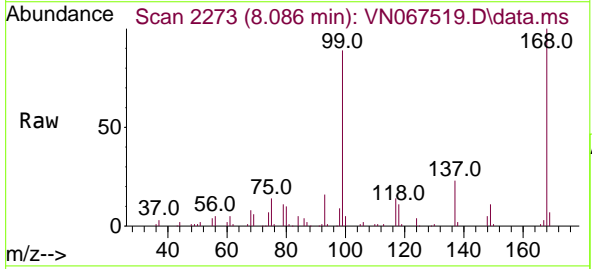
Instrument :  
 MSVOA\_N  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
43	3516		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#

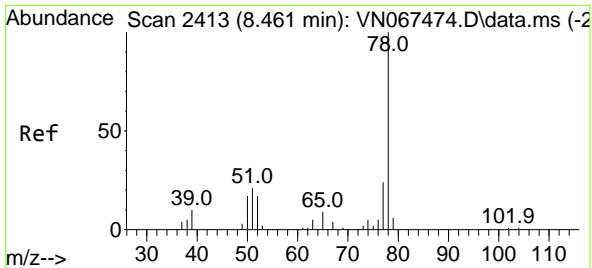


#38  
 Carbon Tetrachloride  
 Concen: 6.21 ug/l  
 RT: 8.086 min Scan# 2273  
 Delta R.T. -0.120 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

Tgt Ion	Resp	Lower	Upper
117	24842		
119	4.7	75.4	113.2#
121	0.0	23.5	35.3#



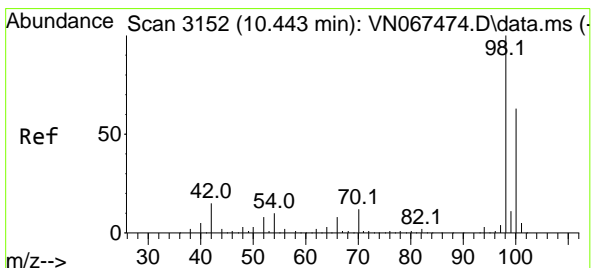
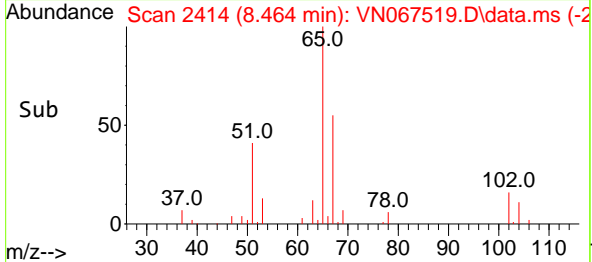
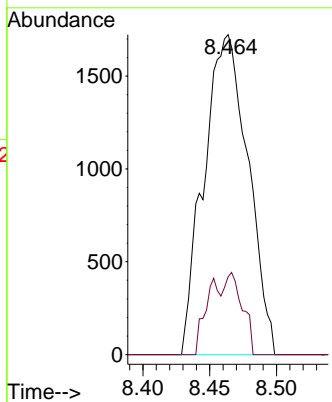
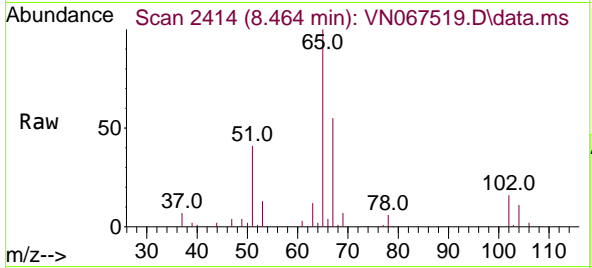




#40  
Benzene  
Concen: 0.29 ug/l  
RT: 8.464 min Scan# 2414  
Delta R.T. 0.003 min  
Lab File: VN067519.D  
Acq: 25 Jun 2021 21:14

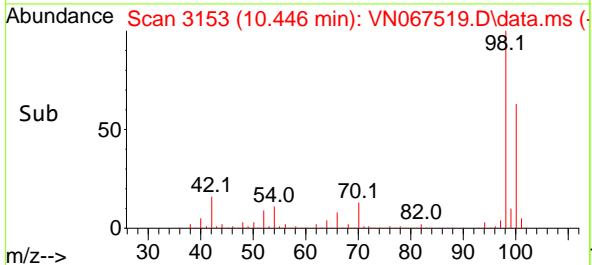
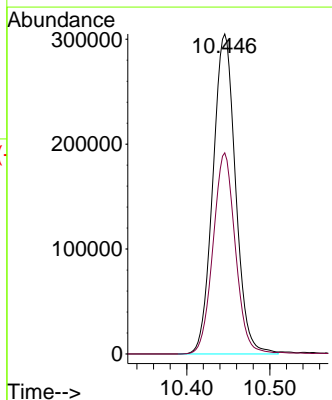
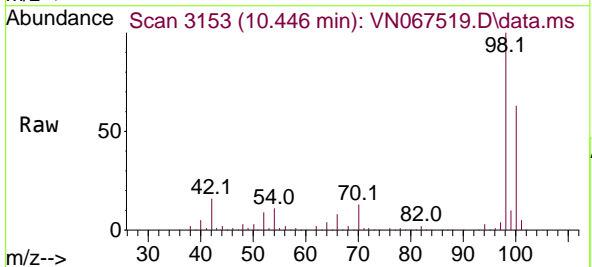
Instrument :  
MSVOA\_N  
ClientSampled :

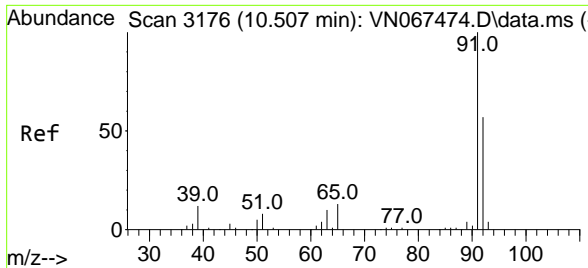
Tgt Ion: 78 Resp: 3953  
Ion Ratio Lower Upper  
78 100  
77 24.3 18.9 28.3



#50  
Toluene-d8  
Concen: 52.79 ug/l  
RT: 10.446 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VN067519.D  
Acq: 25 Jun 2021 21:14

Tgt Ion: 98 Resp: 577929  
Ion Ratio Lower Upper  
98 100  
100 61.8 51.7 77.5

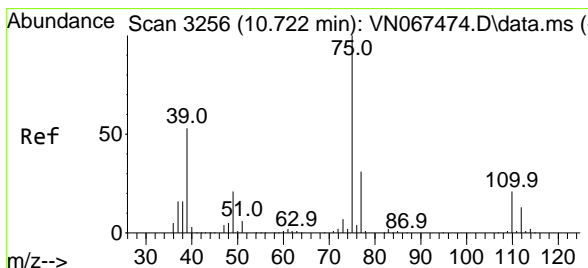
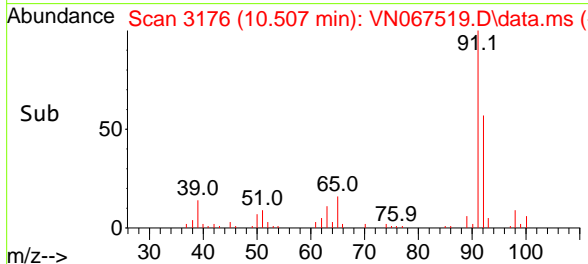
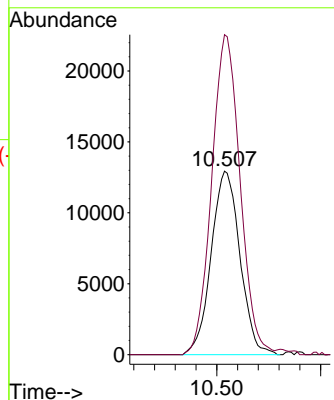
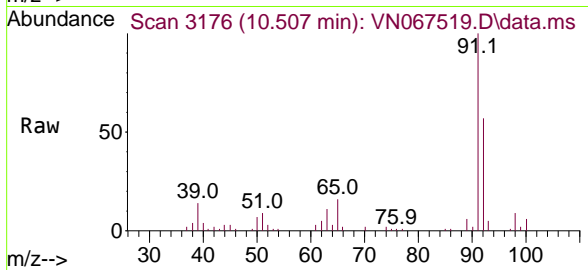




#52  
 Toluene  
 Concen: 3.09 ug/l  
 RT: 10.507 min Scan# 3176  
 Delta R.T. 0.000 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

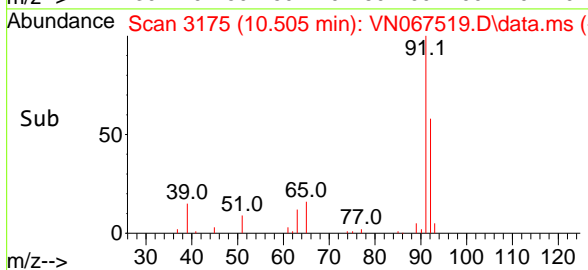
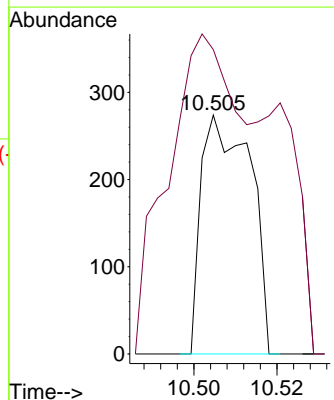
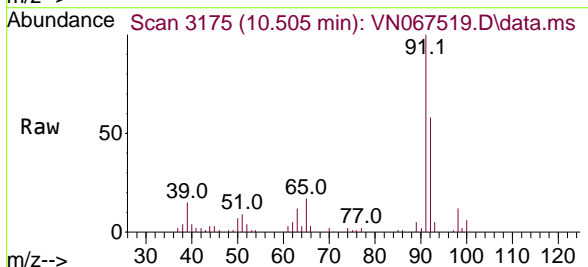
Instrument :  
 MSVOA\_N  
 ClientSampled :

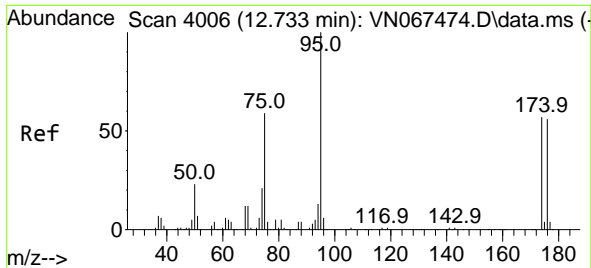
Tgt Ion: 92 Resp: 24908  
 Ion Ratio Lower Upper  
 92 100  
 91 172.0 139.6 209.4



#53  
 t-1,3-Dichloropropene  
 Concen: 2.04 ug/l  
 RT: 10.505 min Scan# 3175  
 Delta R.T. -0.217 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

Tgt Ion: 75 Resp: 225  
 Ion Ratio Lower Upper  
 75 100  
 77 29.2 25.1 37.7

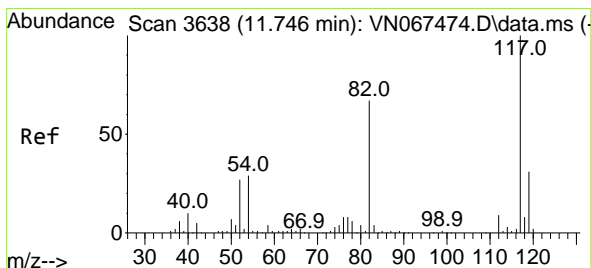
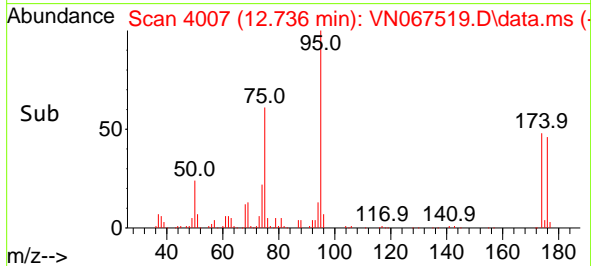
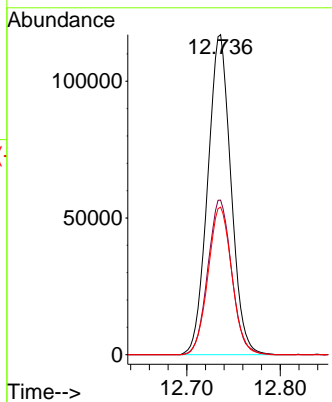
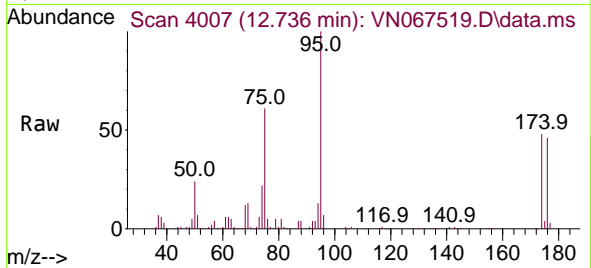




#62  
 4-Bromofluorobenzene  
 Concen: 51.94 ug/l  
 RT: 12.736 min Scan# 4007  
 Delta R.T. 0.003 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

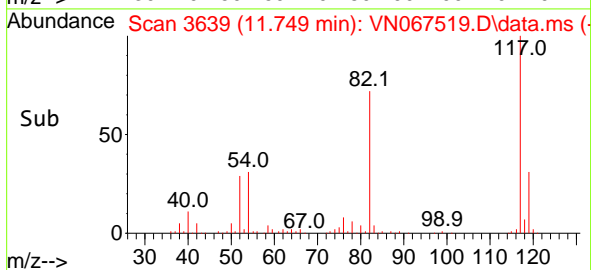
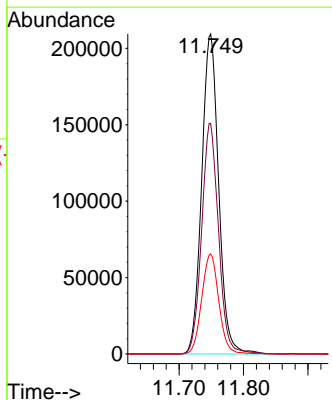
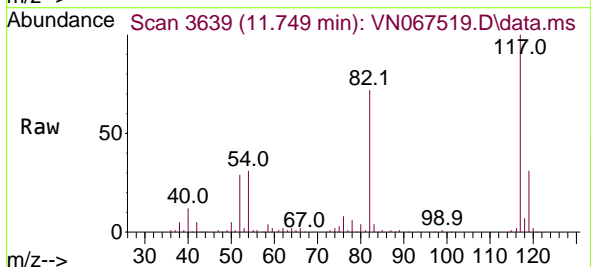
Instrument :  
 MSVOA\_N  
 ClientSampled :

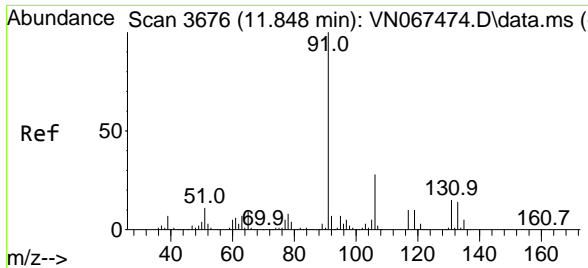
Tgt Ion	Resp	Lower	Upper
95	202591		
174	49.4	0.0	122.0
176	47.1	0.0	117.6



#63  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 11.749 min Scan# 3639  
 Delta R.T. 0.003 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

Tgt Ion	Resp	Lower	Upper
117	383399		
82	72.0	53.1	79.7
119	31.3	25.5	38.3

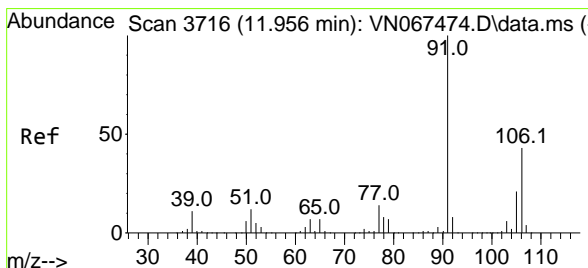
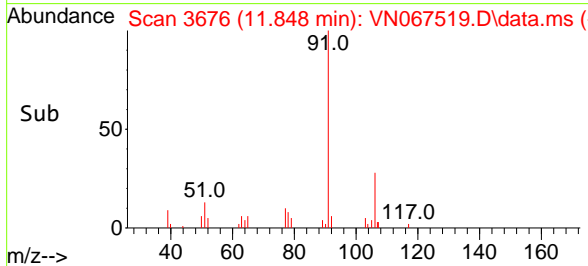
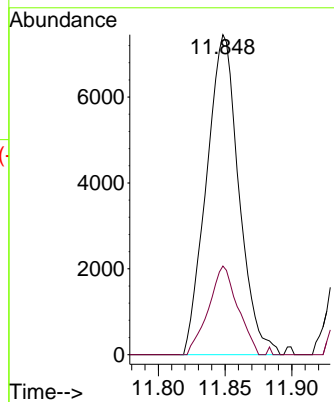
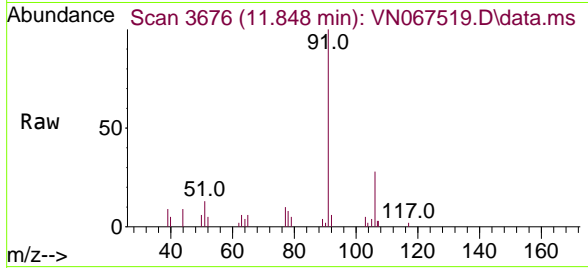




#67  
 Ethyl Benzene  
 Concen: 0.78 ug/l  
 RT: 11.848 min Scan# 3676  
 Delta R.T. 0.000 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

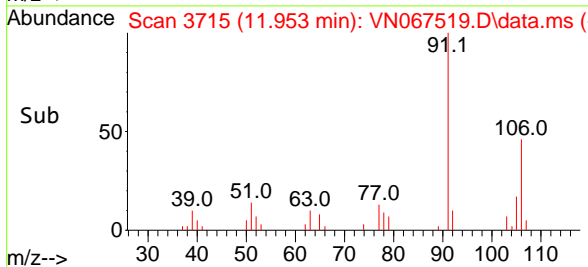
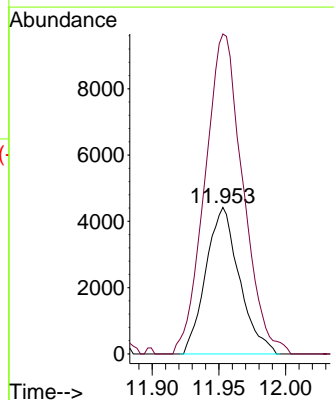
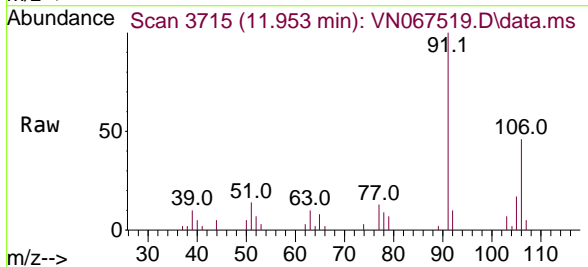
Instrument :  
 MSVOA\_N  
 ClientSampled :

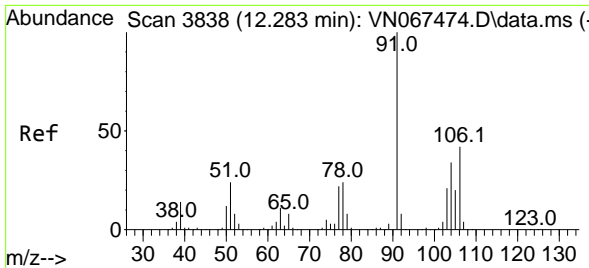
Tgt Ion: 91 Resp: 12583  
 Ion Ratio Lower Upper  
 91 100  
 106 27.7 23.4 35.0



#68  
 m/p-Xylenes  
 Concen: 1.41 ug/l  
 RT: 11.953 min Scan# 3715  
 Delta R.T. -0.003 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

Tgt Ion: 106 Resp: 7730  
 Ion Ratio Lower Upper  
 106 100  
 91 246.9 180.6 270.8

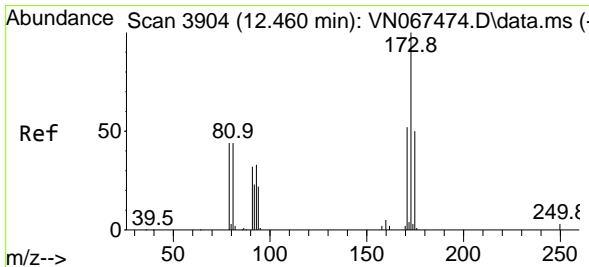
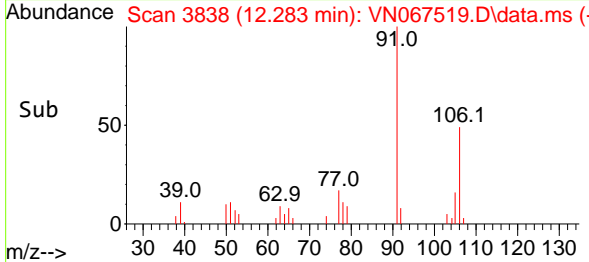
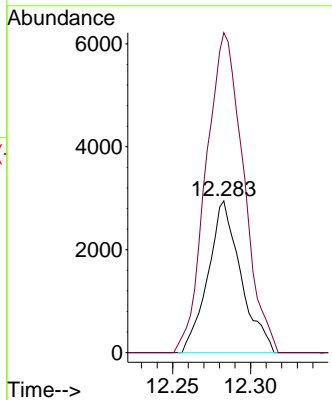
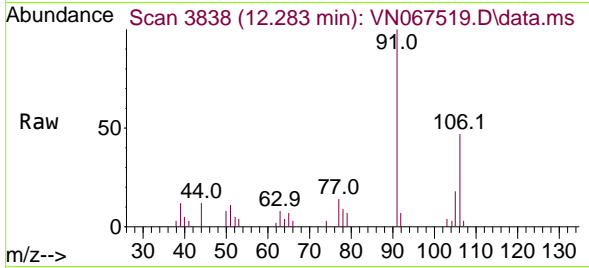




#69  
 o-Xylene  
 Concen: 0.79 ug/l  
 RT: 12.283 min Scan# 3838  
 Delta R.T. -0.000 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

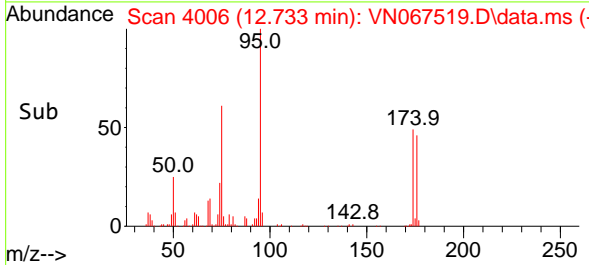
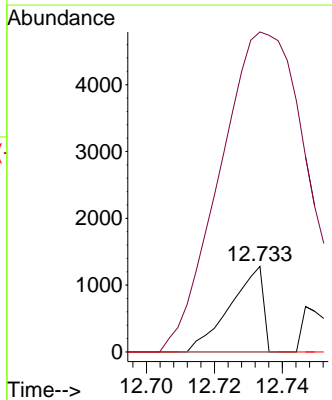
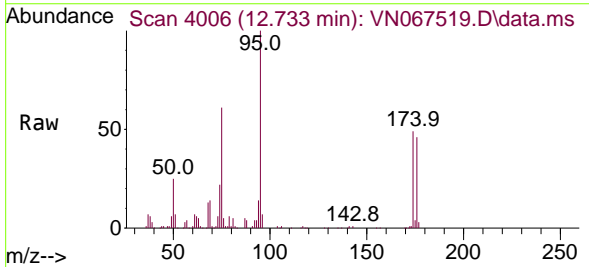
Instrument :  
 MSVOA\_N  
 ClientSampled :

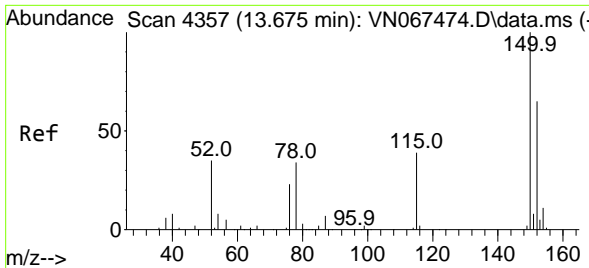
Tgt Ion:106 Resp: 4314  
 Ion Ratio Lower Upper  
 106 100  
 91 241.1 118.3 354.9



#71  
 Bromoform  
 Concen: 3.05 ug/l  
 RT: 12.733 min Scan# 4006  
 Delta R.T. 0.273 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

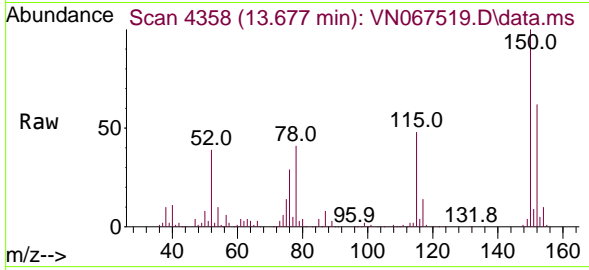
Tgt Ion:173 Resp: 869  
 Ion Ratio Lower Upper  
 173 100  
 175 915.3 23.9 71.8#  
 254 0.0 0.0 0.0



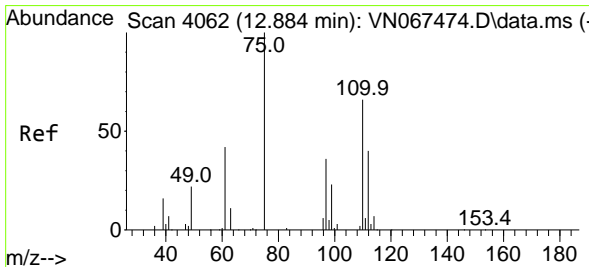
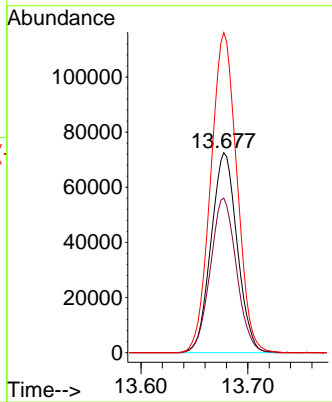
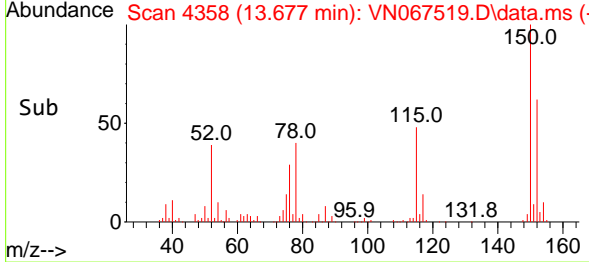


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.677 min Scan# 4358  
 Delta R.T. 0.002 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

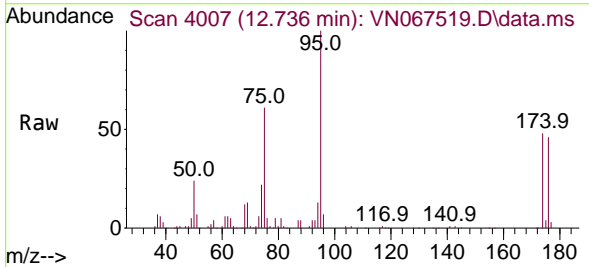
Instrument :  
 MSVOA\_N  
 ClientSampled :



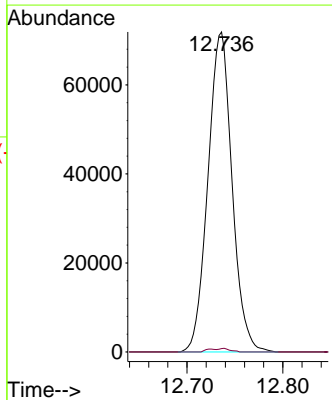
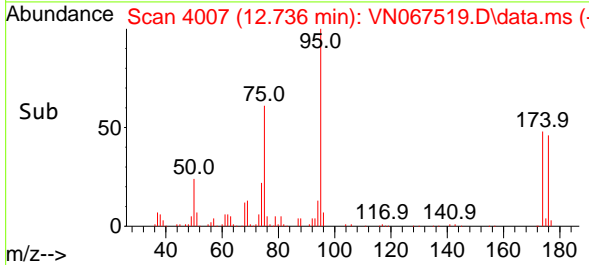
Tgt Ion:152 Resp: 123285  
 Ion Ratio Lower Upper  
 152 100  
 115 77.3 36.1 108.5  
 150 160.3 0.0 351.8

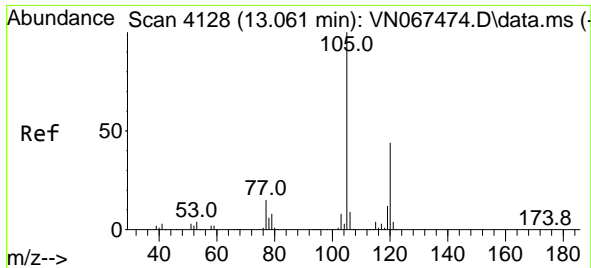


#76  
 1,2,3-Trichloropropane  
 Concen: 34.65 ug/l  
 RT: 12.736 min Scan# 4007  
 Delta R.T. -0.148 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14



Tgt Ion: 75 Resp: 125715  
 Ion Ratio Lower Upper  
 75 100  
 77 0.5 0.0 0.0#

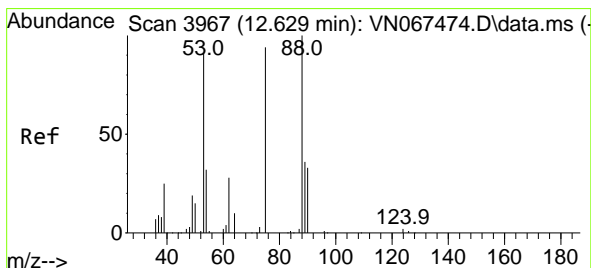
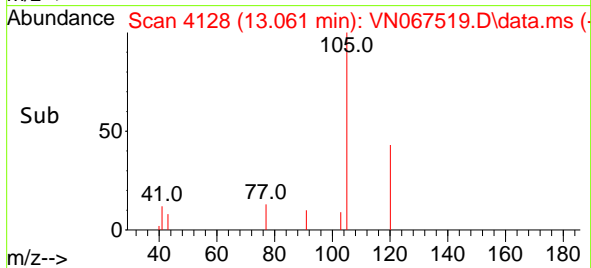
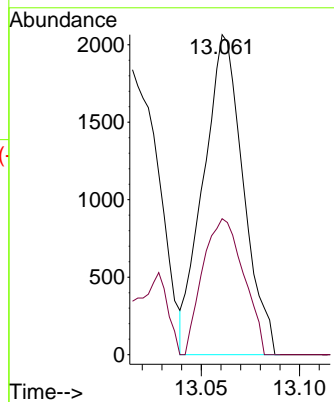
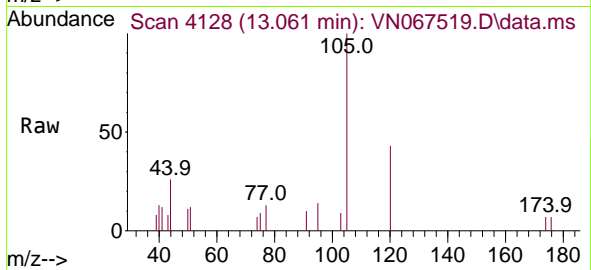




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.28 ug/l  
 RT: 13.061 min Scan# 4128  
 Delta R.T. -0.000 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

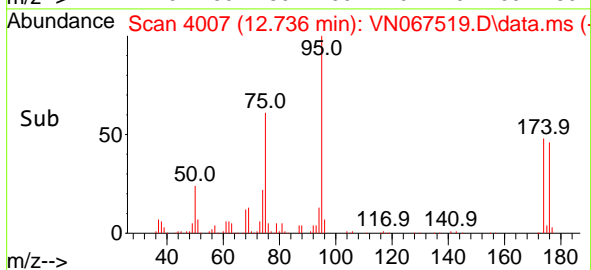
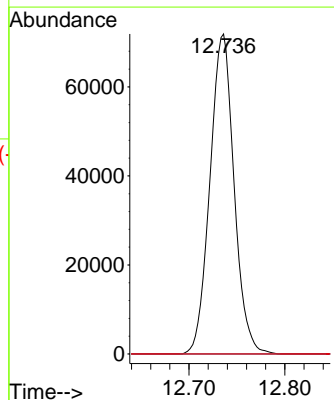
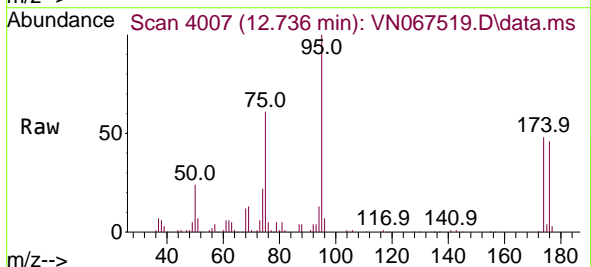
Instrument :  
 MSVOA\_N  
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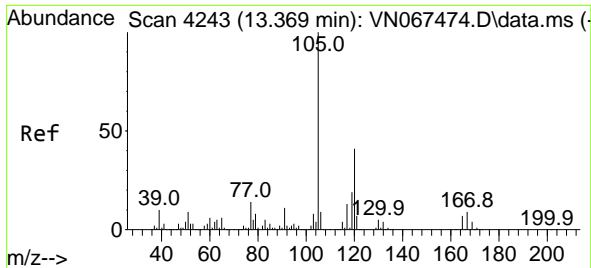
Tgt Ion:105 Resp: 2906  
 Ion Ratio Lower Upper  
 105 100  
 120 43.7 22.2 66.6



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 94.80 ug/l  
 RT: 12.736 min Scan# 4007  
 Delta R.T. 0.107 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

Tgt Ion: 75 Resp: 125715  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 87.6 131.4#  
 89 0.0 37.8 56.8#

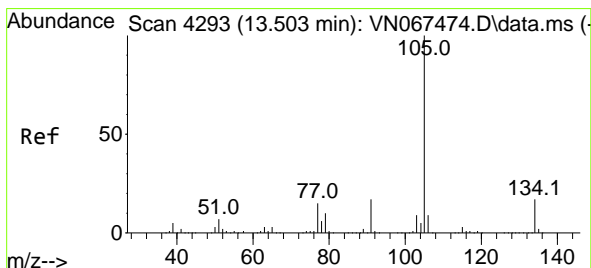
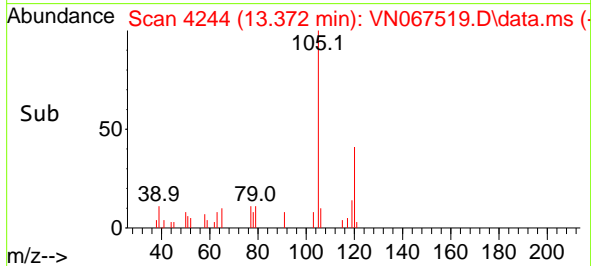
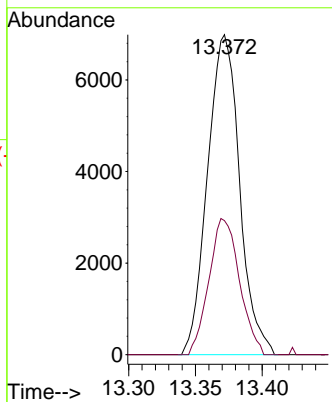
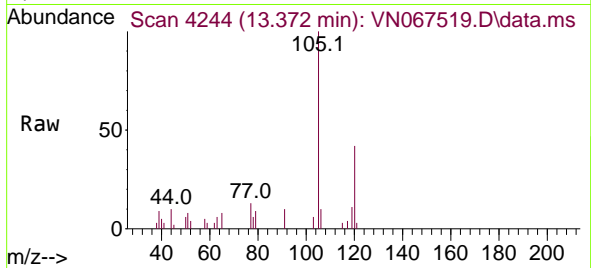




#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.16 ug/l  
 RT: 13.372 min Scan# 4244  
 Delta R.T. 0.003 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

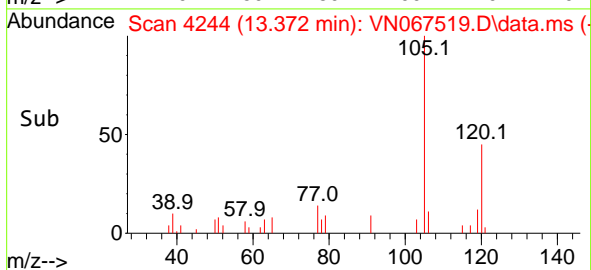
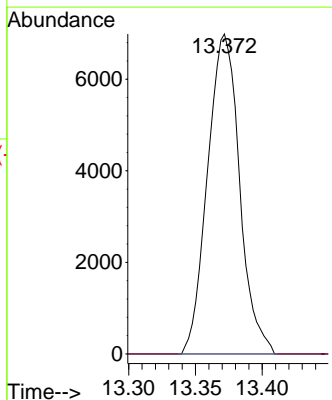
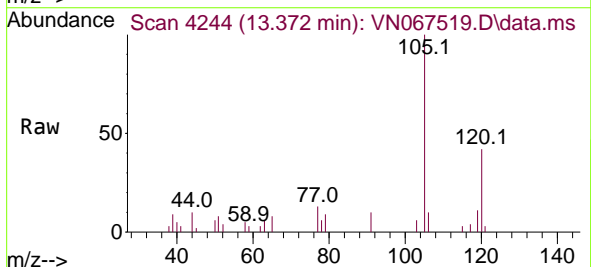
Instrument :  
 MSVOA\_N  
 ClientSampled :

Tgt Ion:105 Resp: 11683  
 Ion Ratio Lower Upper  
 105 100  
 120 40.5 20.6 61.8

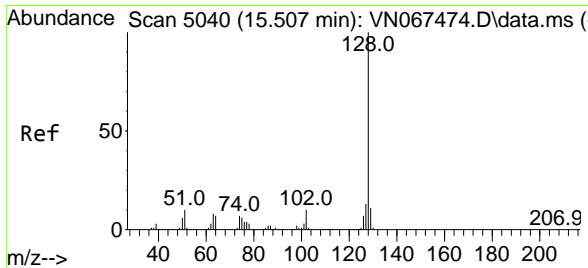


#85  
 sec-Butylbenzene  
 Concen: 0.96 ug/l  
 RT: 13.372 min Scan# 4244  
 Delta R.T. -0.131 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

Tgt Ion:105 Resp: 11683  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 9.0 27.1#

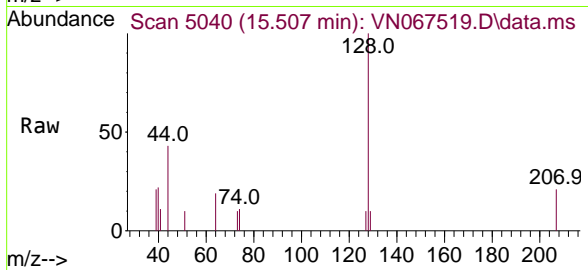






#95  
 Naphthalene  
 Concen: 3.67 ug/l  
 RT: 15.507 min Scan# 5040  
 Delta R.T. -0.000 min  
 Lab File: VN067519.D  
 Acq: 25 Jun 2021 21:14

Instrument :  
 MSVOA\_N  
 ClientSampled :



Tgt Ion:128 Resp: 2486

Ion	Ratio	Lower	Upper
128	100		
127	5.8	10.6	15.8#
129	6.4	8.6	12.8#

