

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011923\  
 Data File : VY012276.D  
 Acq On : 19 Jan 2023 19:18  
 Operator : KP/MD  
 Sample : 01217-01  
 Misc : 5.39g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BORING-4

Quant Time: Jan 20 03:26:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

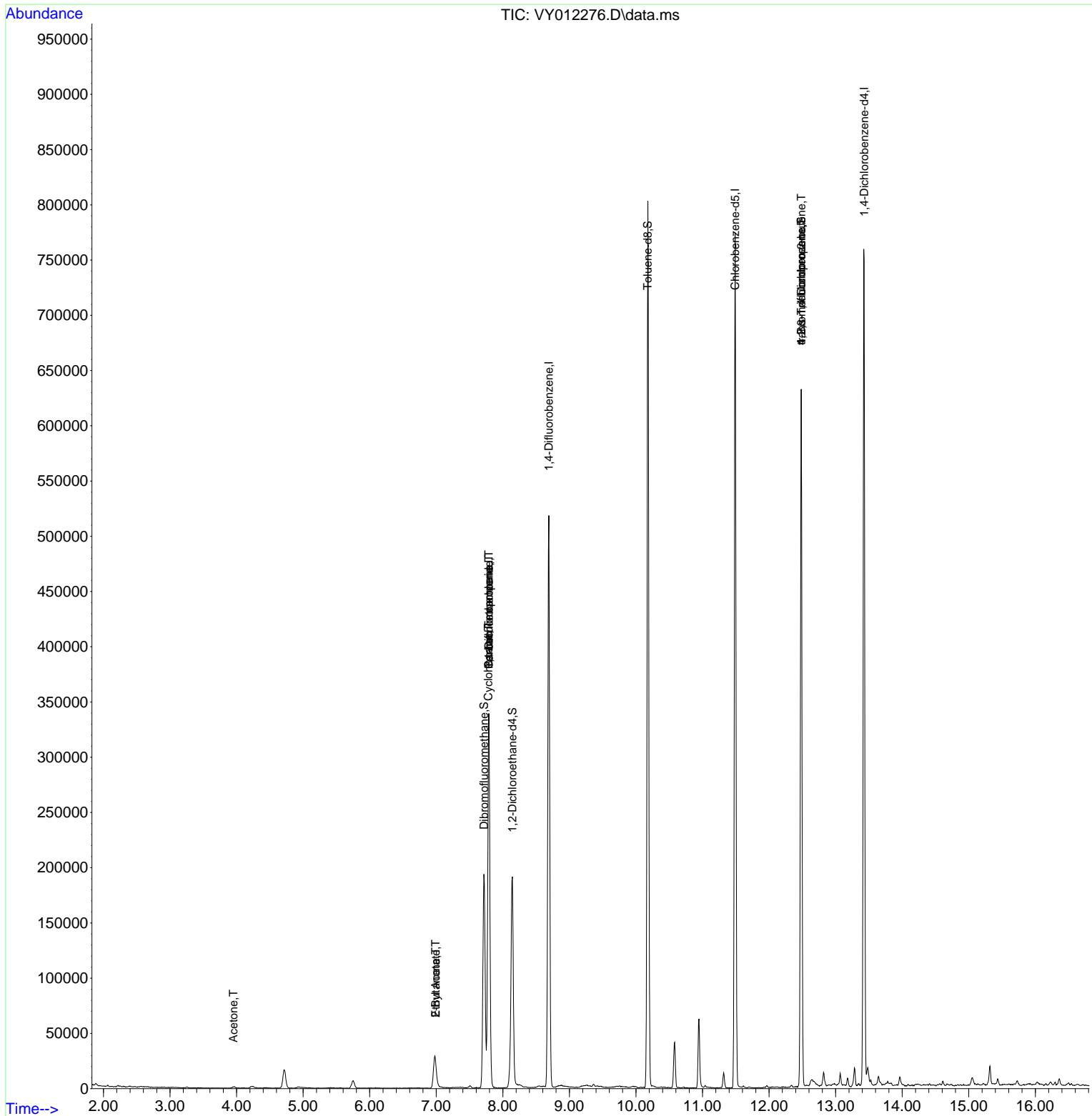
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Pentafluorobenzene	7.789	168	271872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	458035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	441233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	211274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	149480	67.726	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.460%
35) Dibromofluoromethane	7.716	113	138680	57.181	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.360%
50) Toluene-d8	10.179	98	535388	65.013	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	130.020%
62) 4-Bromofluorobenzene	12.483	95	192151	56.202	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	112.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	1362	Below Cal	#	74
16) Acetone	3.954	43	2406	3.178	ug/l #	83
20) Methylene Chloride	4.710	84	13768	Below Cal		87
25) 2-Butanone	6.990	43	3046	3.645	ug/l	95
31) Cyclohexane	7.783	56	4573	1.154	ug/l #	19
36) 1,1-Dichloropropene	7.789	75	18311	4.442	ug/l #	50
37) Ethyl Acetate	6.990	43	3046	1.676	ug/l #	38
38) Carbon Tetrachloride	7.789	117	26321	4.944	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	94655	48.722	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	94655	100.390	ug/l #	13
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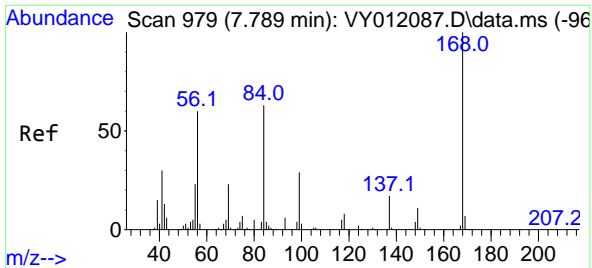
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 BORING-4

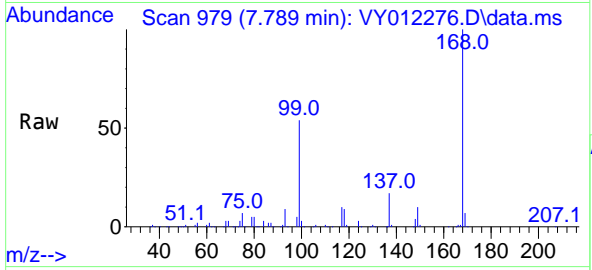
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration



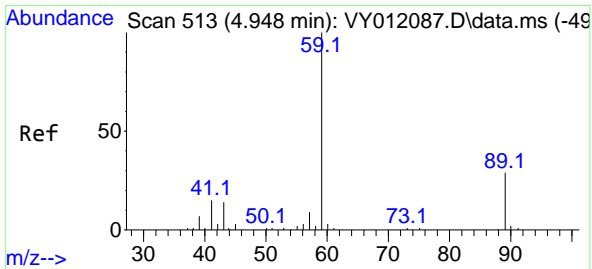
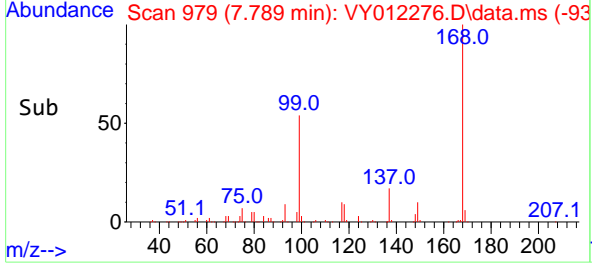
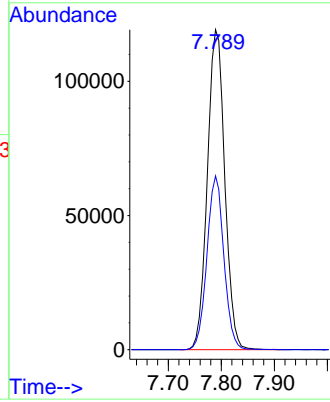


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.789 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BORING-4

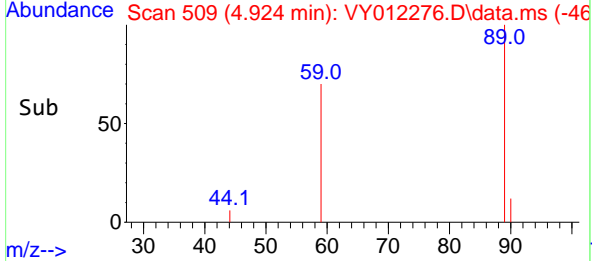
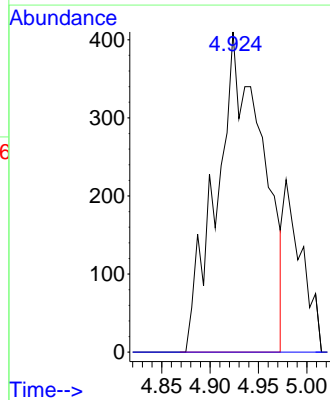
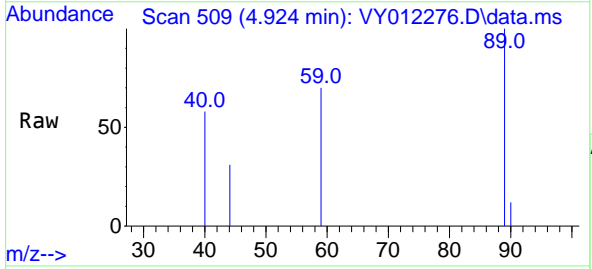


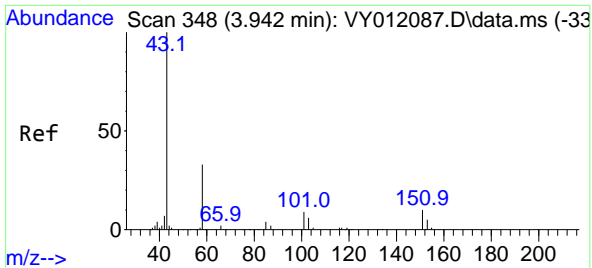
Tgt Ion:168 Resp: 271872  
 Ion Ratio Lower Upper  
 168 100  
 99 54.3 44.0 66.0



#11  
 Tert butyl alcohol  
 Concen: Below Cal  
 RT: 4.924 min Scan# 509  
 Delta R.T. -0.024 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18

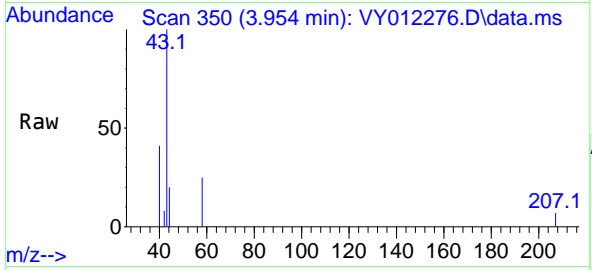
Tgt Ion: 59 Resp: 1362  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 7.4 11.2#



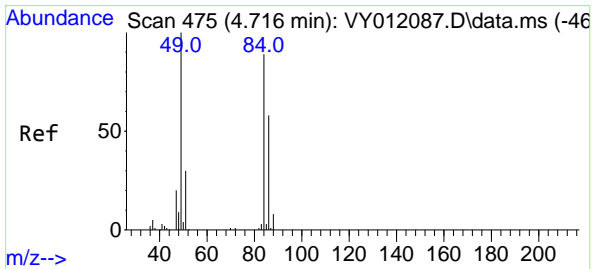
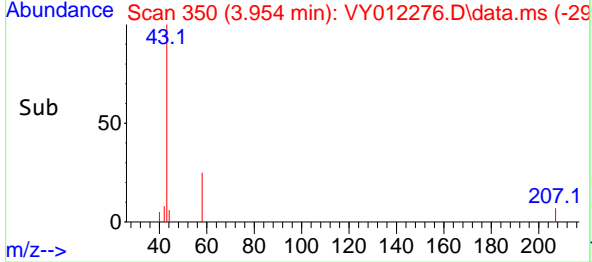
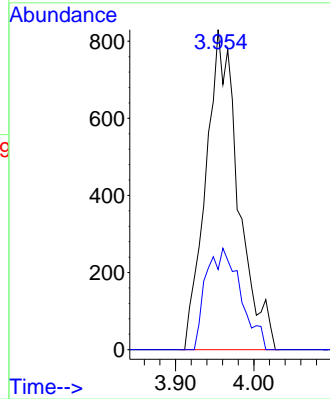


#16  
Acetone  
Concen: 3.178 ug/l  
RT: 3.954 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VY012276.D  
Acq: 19 Jan 2023 19:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BORING-4

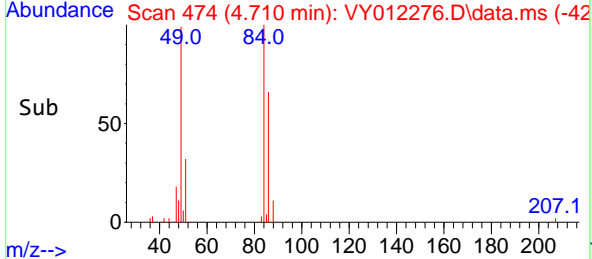
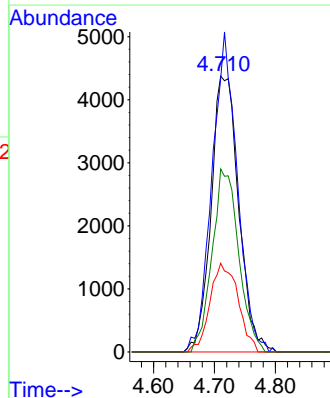
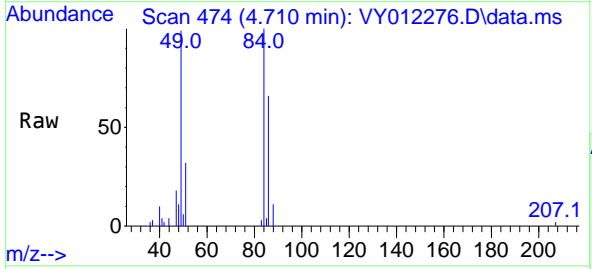


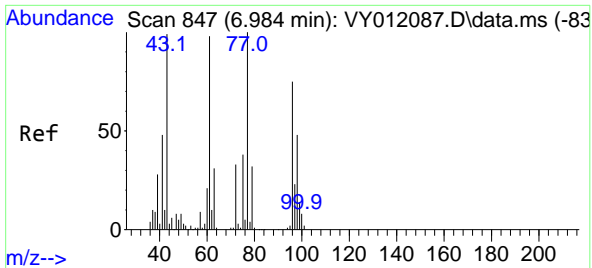
Tgt Ion: 43 Resp: 2406  
Ion Ratio Lower Upper  
43 100  
58 25.1 27.9 41.9#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY012276.D  
Acq: 19 Jan 2023 19:18

Tgt Ion: 84 Resp: 13768  
Ion Ratio Lower Upper  
84 100  
49 98.9 95.4 143.2  
51 32.1 29.9 44.9  
86 66.4 49.6 74.4

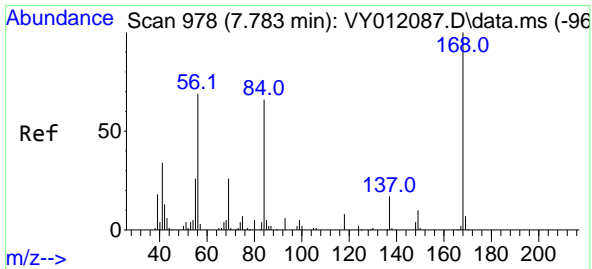
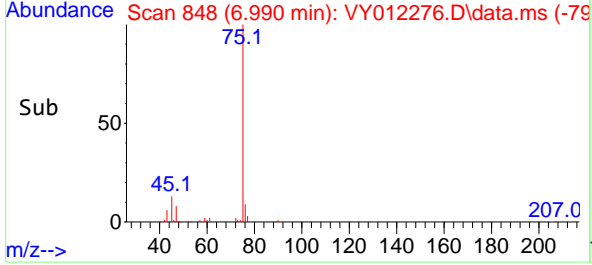
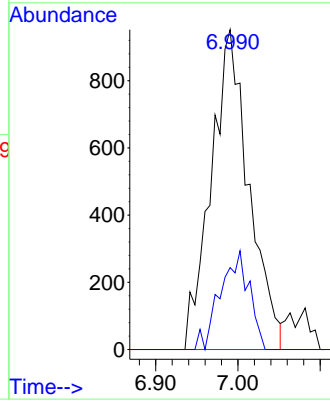
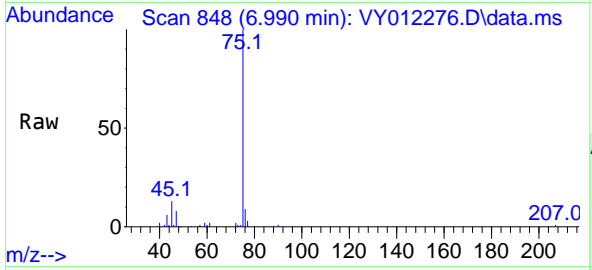




#25  
 2-Butanone  
 Concen: 3.645 ug/l  
 RT: 6.990 min Scan# 847  
 Delta R.T. 0.006 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18

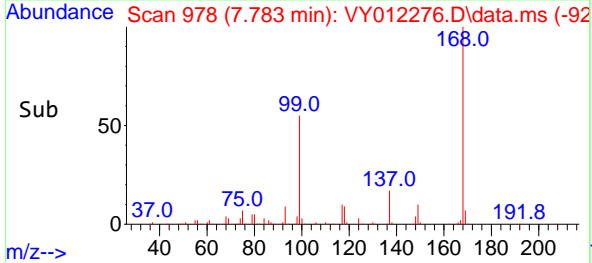
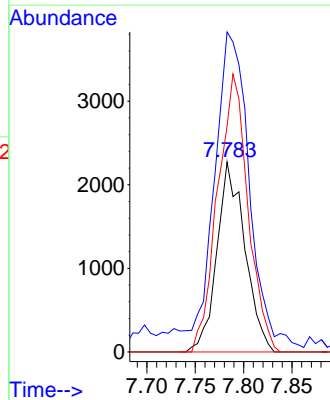
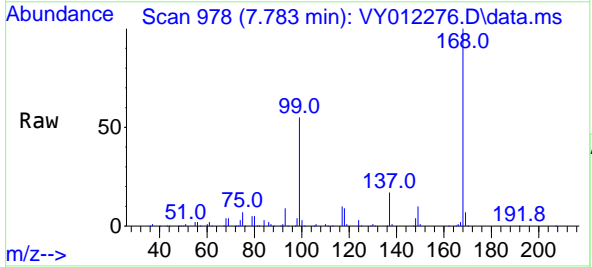
Instrument : MSVOA\_Y  
 ClientSampleId : BORING-4

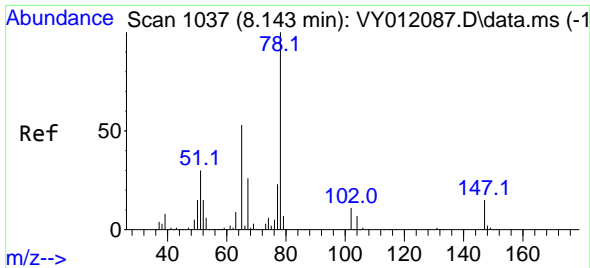
Tgt Ion: 43 Resp: 3046  
 Ion Ratio Lower Upper  
 43 100  
 72 25.6 22.6 34.0



#31  
 Cyclohexane  
 Concen: 1.154 ug/l  
 RT: 7.783 min Scan# 978  
 Delta R.T. -0.000 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18

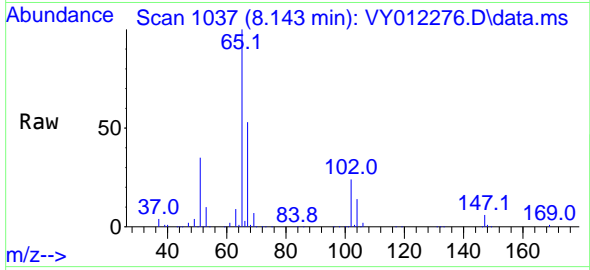
Tgt Ion: 56 Resp: 4573  
 Ion Ratio Lower Upper  
 56 100  
 69 158.9 29.2 43.8#  
 84 119.0 72.6 108.8#



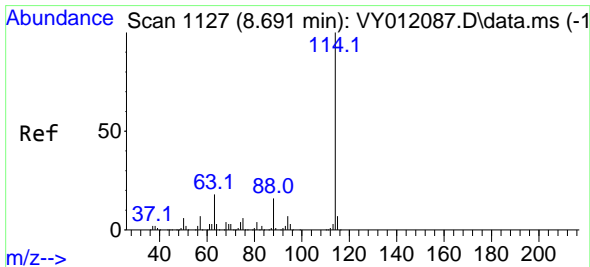
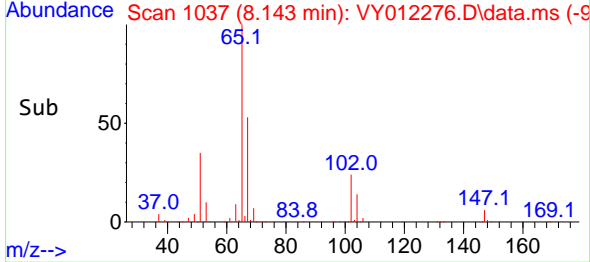
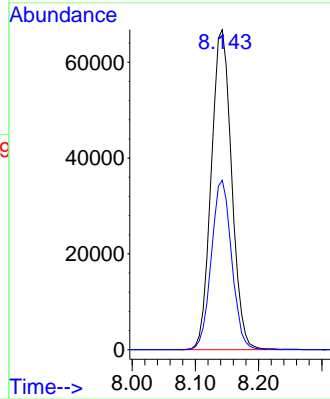


#33  
 1,2-Dichloroethane-d4  
 Concen: 67.726 ug/l  
 RT: 8.143 min Scan# 1037  
 Delta R.T. -0.000 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18

Instrument : MSVOA\_Y  
 ClientSampleId : BORING-4

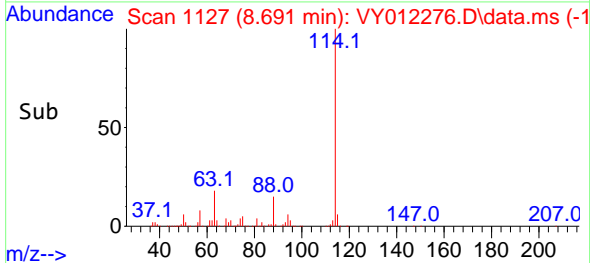
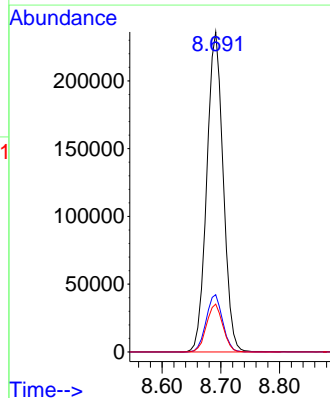
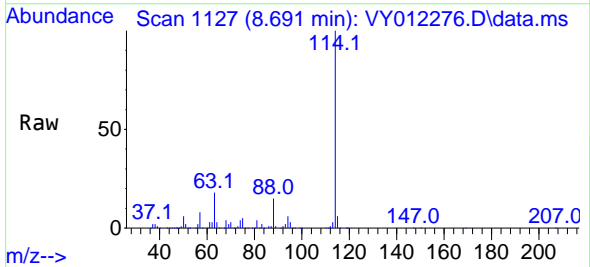


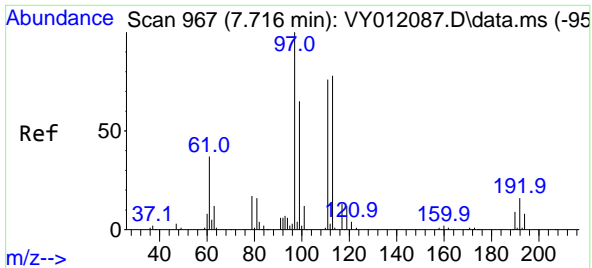
Tgt Ion: 65 Resp: 149480  
 Ion Ratio Lower Upper  
 65 100  
 67 52.8 0.0 103.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18

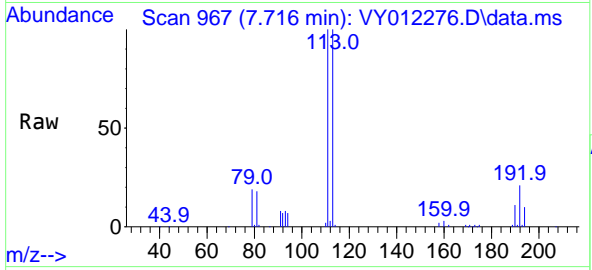
Tgt Ion: 114 Resp: 458035  
 Ion Ratio Lower Upper  
 114 100  
 63 17.9 0.0 39.6  
 88 14.9 0.0 32.2



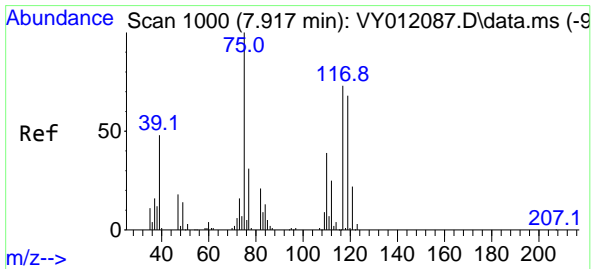
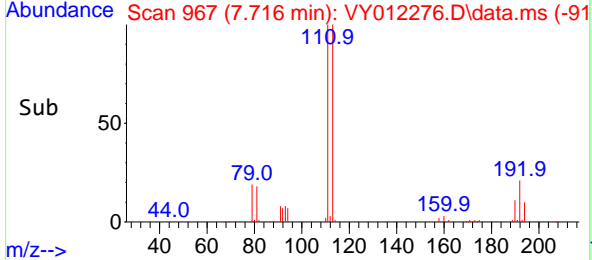
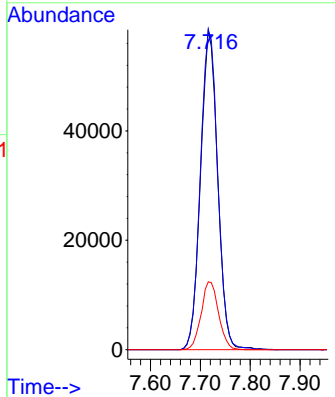


#35  
 Dibromofluoromethane  
 Concen: 57.181 ug/l  
 RT: 7.716 min Scan# 901  
 Delta R.T. -0.000 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18

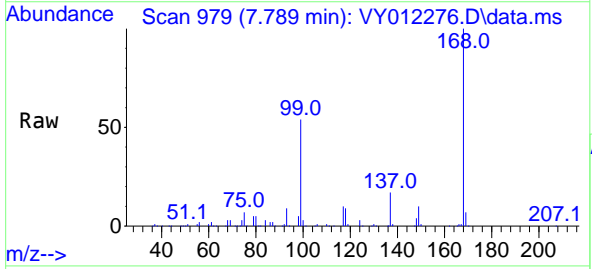
Instrument : MSVOA\_Y  
 ClientSampleId : BORING-4



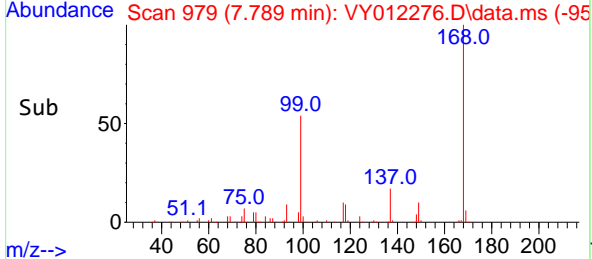
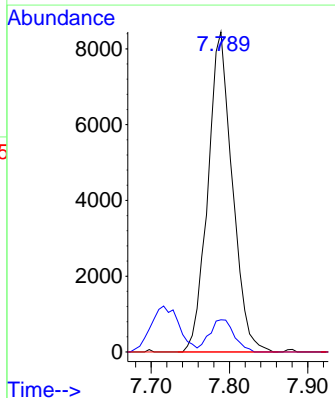
Tgt Ion:113 Resp: 138680  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 83.0 124.4  
 192 21.7 16.0 24.0

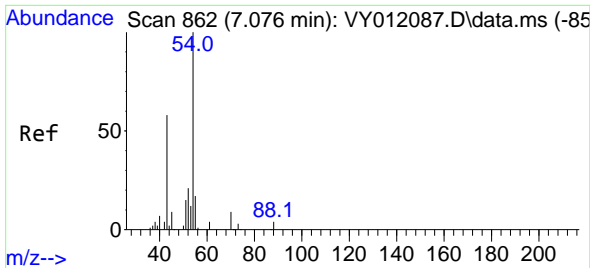


#36  
 1,1-Dichloropropene  
 Concen: 4.442 ug/l  
 RT: 7.789 min Scan# 979  
 Delta R.T. -0.128 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18



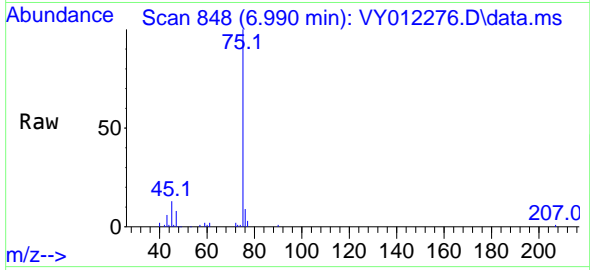
Tgt Ion: 75 Resp: 18311  
 Ion Ratio Lower Upper  
 75 100  
 110 10.2 18.1 54.1#  
 77 0.0 25.1 37.7#





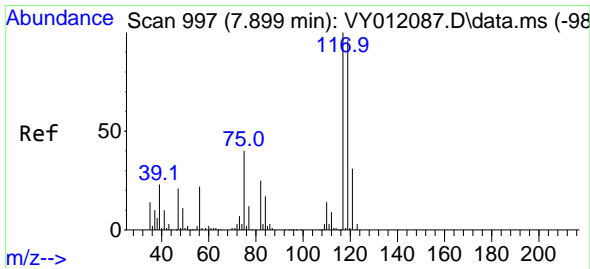
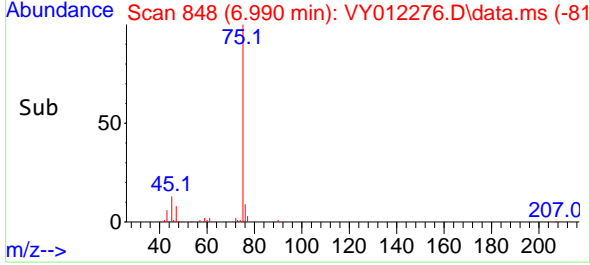
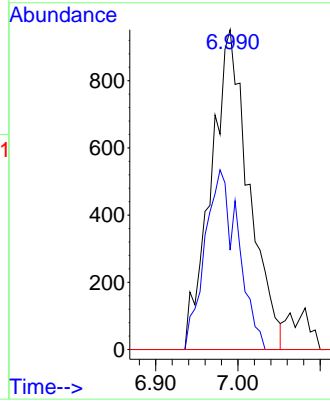
#37  
 Ethyl Acetate  
 Concen: 1.676 ug/l  
 RT: 6.990 min Scan# 848  
 Delta R.T. -0.086 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18

Instrument : MSVOA\_Y  
 ClientSampleId : BORING-4



Tgt Ion: 43 Resp: 3046

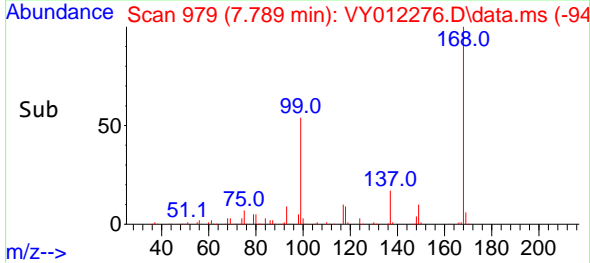
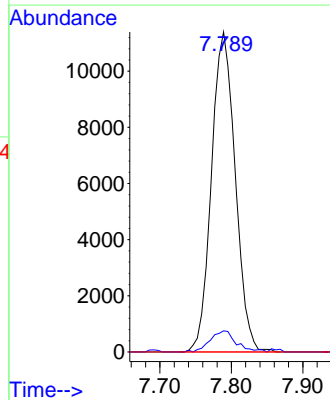
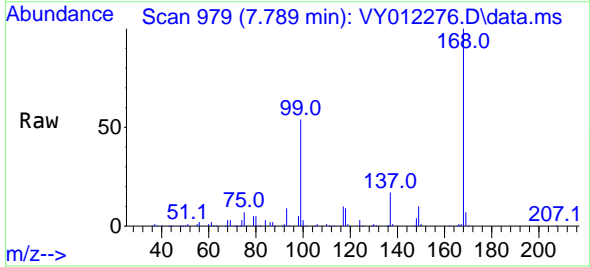
Ion	Ratio	Lower	Upper
43	100		
61	49.4	11.3	16.9#
70	0.0	8.2	12.4#



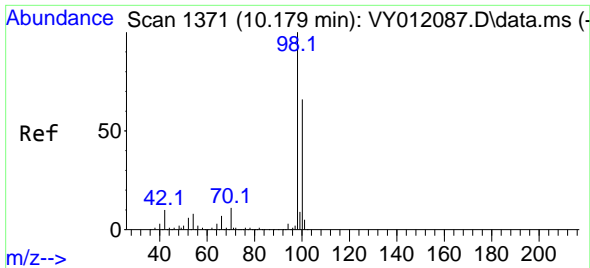
#38  
 Carbon Tetrachloride  
 Concen: 4.944 ug/l  
 RT: 7.789 min Scan# 979  
 Delta R.T. -0.110 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18

Tgt Ion: 117 Resp: 26321

Ion	Ratio	Lower	Upper
117	100		
119	6.6	73.8	110.8#
121	0.0	25.2	37.8#

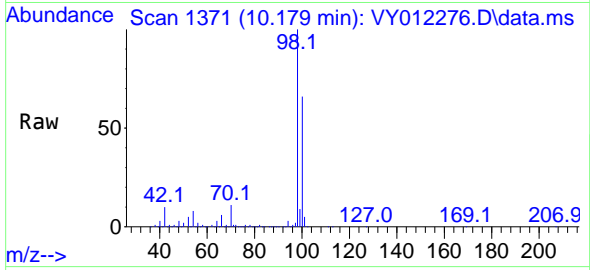




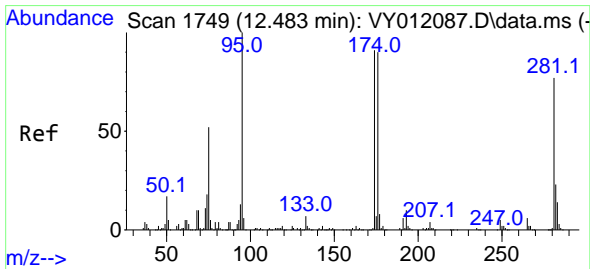
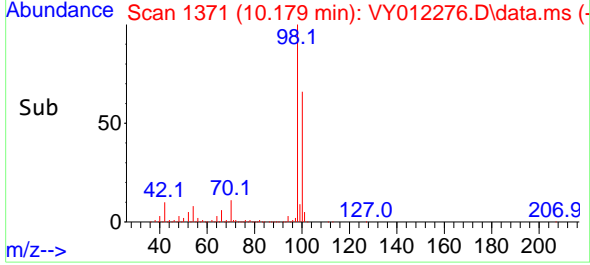
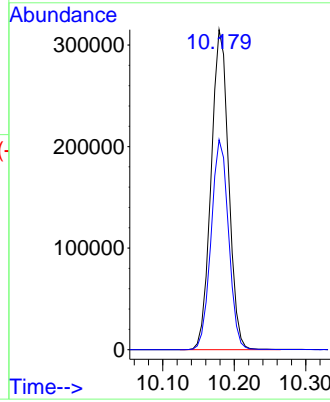


#50  
 Toluene-d8  
 Concen: 65.013 ug/l  
 RT: 10.179 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18

Instrument : MSVOA\_Y  
 ClientSampleId : BORING-4

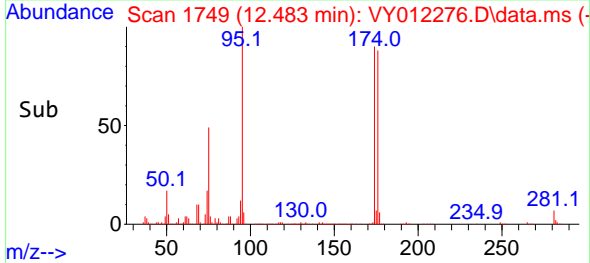
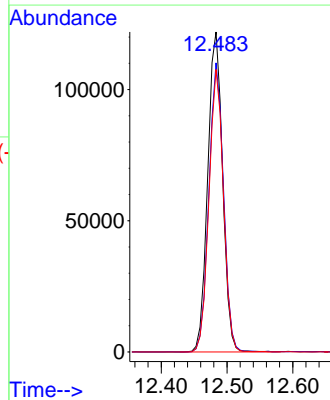
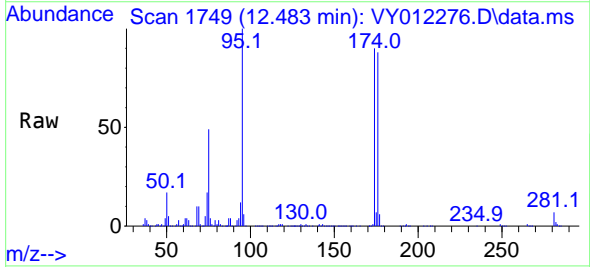


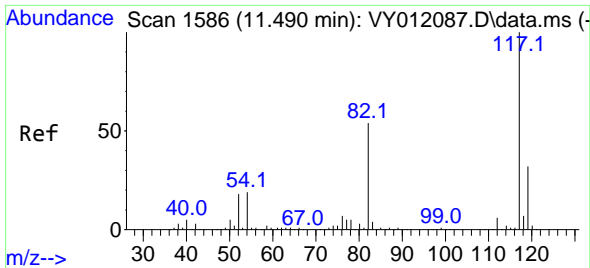
Tgt Ion: 98 Resp: 535388  
 Ion Ratio Lower Upper  
 98 100  
 100 65.6 51.9 77.9



#62  
 4-Bromofluorobenzene  
 Concen: 56.202 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.000 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18

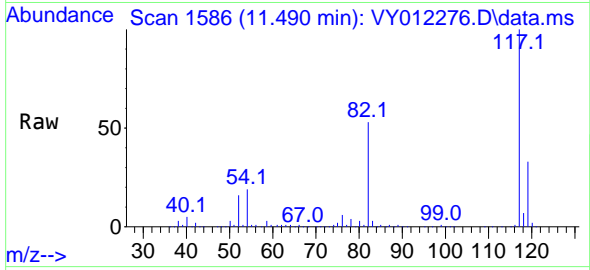
Tgt Ion: 95 Resp: 192151  
 Ion Ratio Lower Upper  
 95 100  
 174 88.9 0.0 172.0  
 176 85.9 0.0 167.6



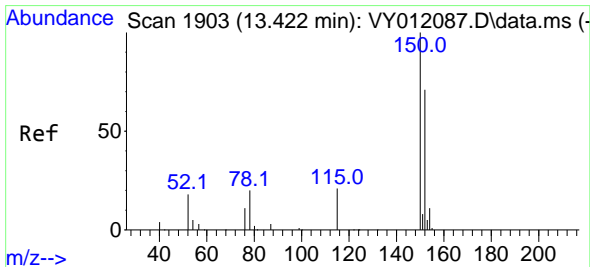
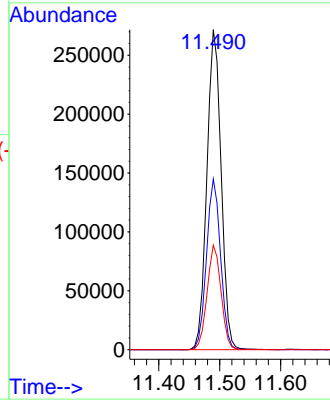
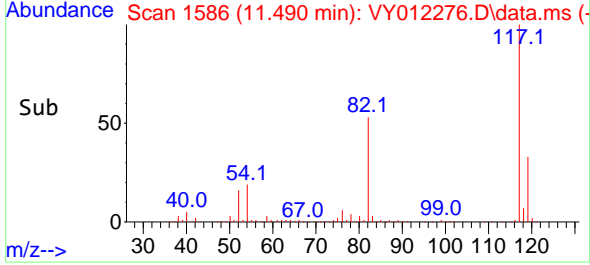


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.490 min Scan# 111  
 Delta R.T. -0.000 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18

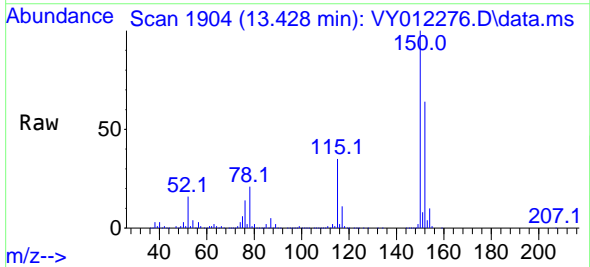
Instrument : MSVOA\_Y  
 ClientSampleId : BORING-4



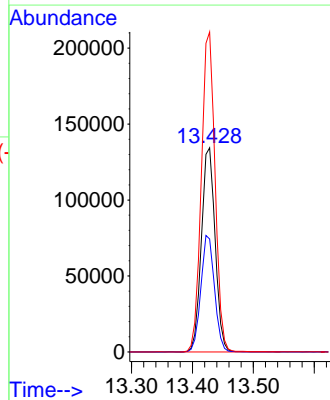
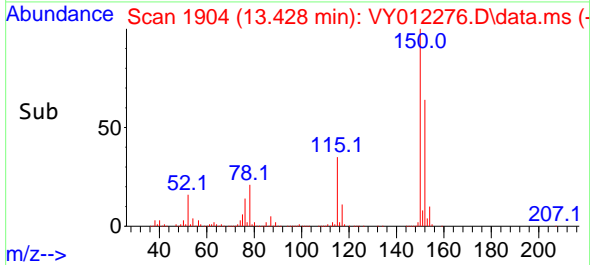
Tgt Ion:117 Resp: 441233  
 Ion Ratio Lower Upper  
 117 100  
 82 53.3 44.8 67.2  
 119 32.6 25.4 38.2

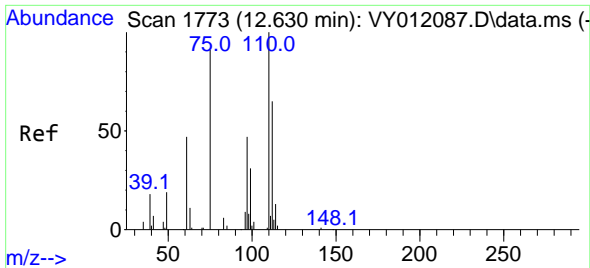


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.006 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18



Tgt Ion:152 Resp: 211274  
 Ion Ratio Lower Upper  
 152 100  
 115 56.7 29.1 87.3  
 150 156.7 0.0 342.6

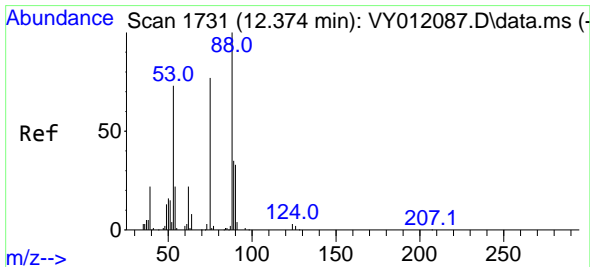
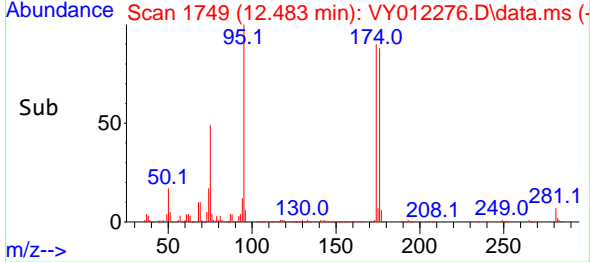
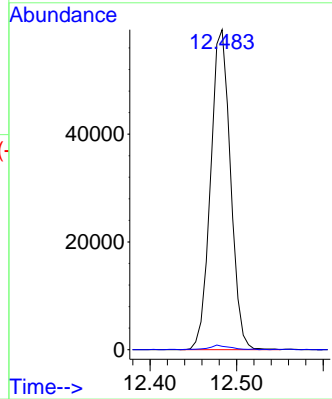
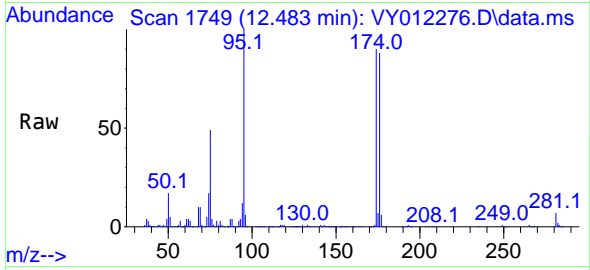




#76  
 1,2,3-Trichloropropane  
 Concen: 48.722 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.147 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18

Instrument : MSVOA\_Y  
 ClientSampleId : BORING-4

Tgt Ion: 75 Resp: 94655  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 100.390 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.109 min  
 Lab File: VY012276.D  
 Acq: 19 Jan 2023 19:18

Tgt Ion: 75 Resp: 94655  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 72.5 108.7#  
 89 0.2 37.0 55.4#

