

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101623\  
 Data File : VY015981.D  
 Acq On : 16 Oct 2023 13:55  
 Operator : SY/MD  
 Sample : 04798-01  
 Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 17 05:42:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 13 13:13:02 2023  
 Response via : Initial Calibration

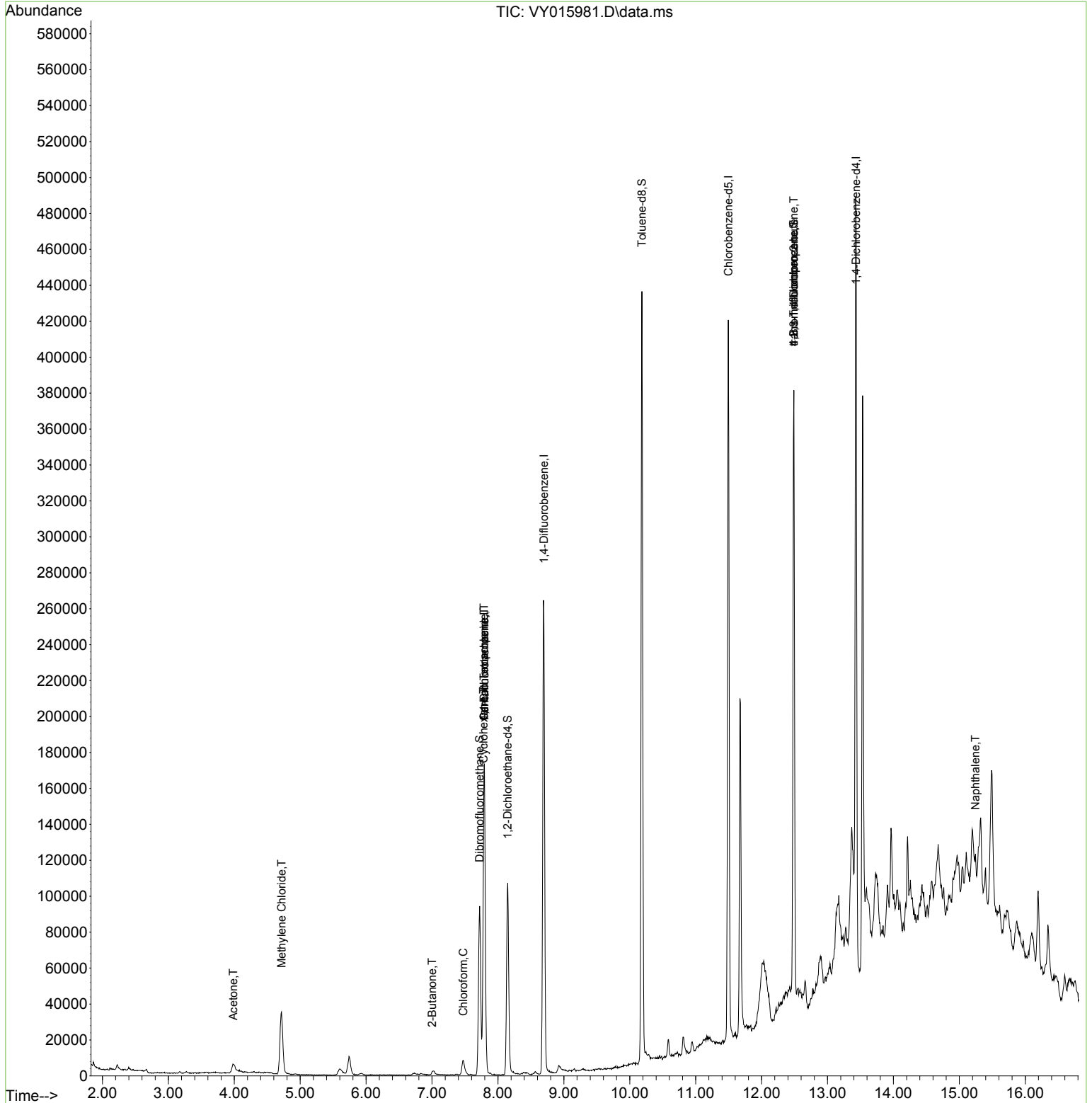
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
1) Pentafluorobenzene	7.795	168	137030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	234061	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	225666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	109269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	84468	54.011	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.020%
35) Dibromofluoromethane	7.722	113	67250	45.638	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.280%
50) Toluene-d8	10.184	98	284650	51.583	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.160%
62) 4-Bromofluorobenzene	12.489	95	104110	52.983	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.960%
Target Compounds						
						Qvalue
3) Chloromethane	2.119	50	713	Below Cal		94
16) Acetone	3.984	43	14046	15.461	ug/l	93
20) Methylene Chloride	4.716	84	27241	12.599	ug/l	87
25) 2-Butanone	7.002	43	2023	1.530	ug/l #	75
30) Chloroform	7.472	83	7114	2.576	ug/l #	19
31) Cyclohexane	7.782	56	2588	1.040	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10081	4.534	ug/l #	49
38) Carbon Tetrachloride	7.789	117	13626	5.819	ug/l #	15
76) 1,2,3-Trichloropropane	12.489	75	51826	24.236	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	51826	57.092	ug/l #	11
95) Naphthalene	15.245	128	14178	1.900	ug/l #	93
-----						

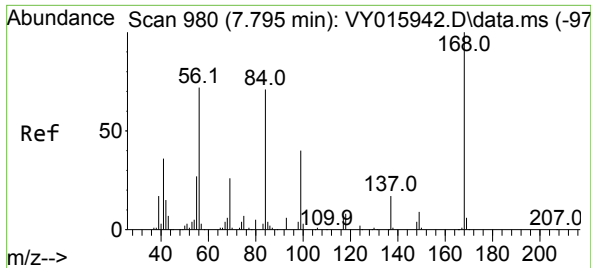
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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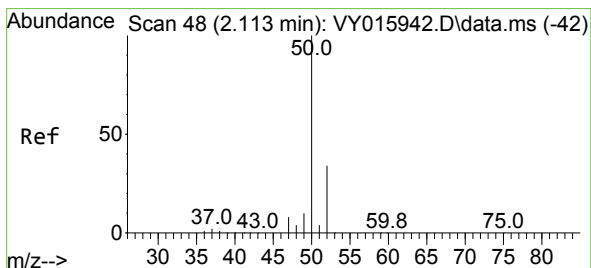
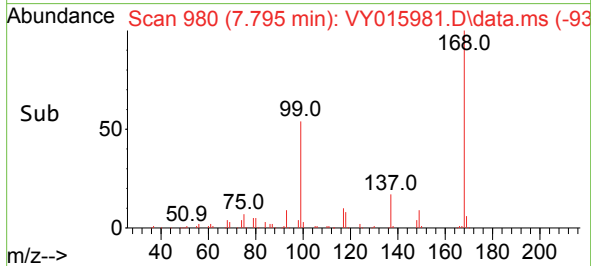
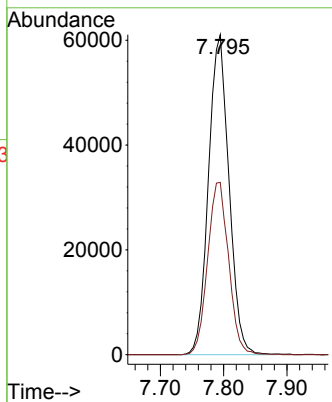
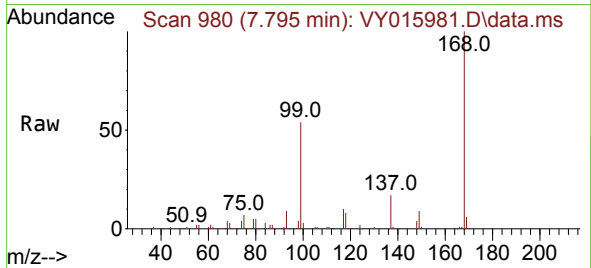




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.795 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

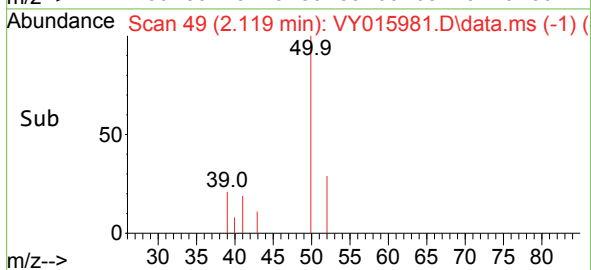
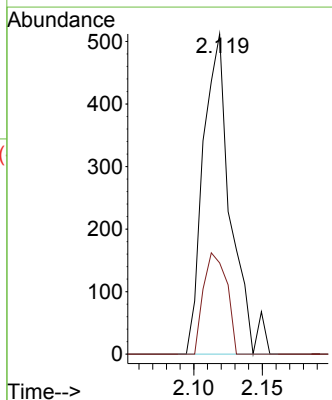
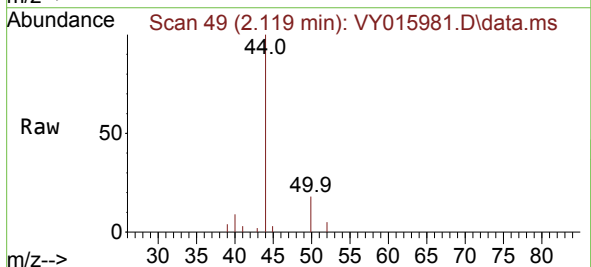
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

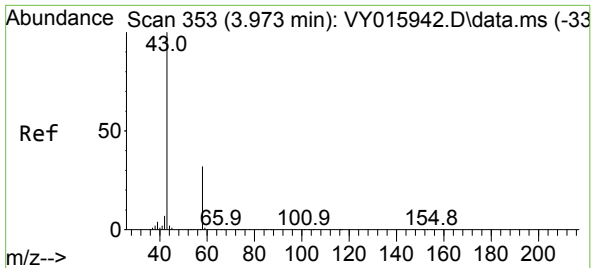
Tgt Ion:168 Resp: 137030  
 Ion Ratio Lower Upper  
 168 100  
 99 53.9 43.4 65.0



#3  
 Chloromethane  
 Concen: Below Cal  
 RT: 2.119 min Scan# 49  
 Delta R.T. 0.006 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

Tgt Ion: 50 Resp: 713  
 Ion Ratio Lower Upper  
 50 100  
 52 28.5 25.4 38.2



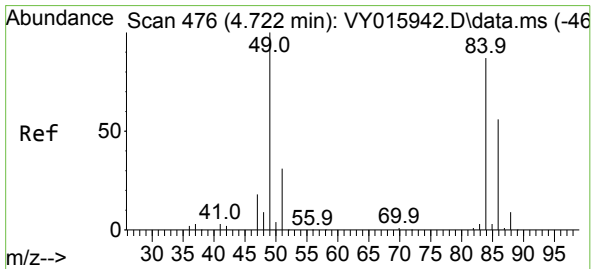
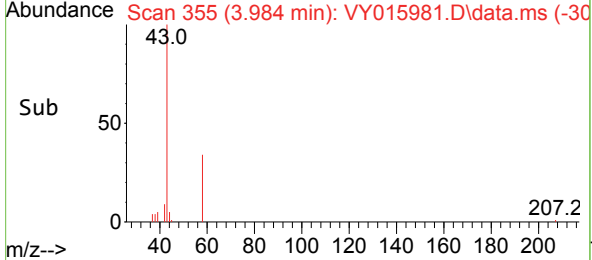
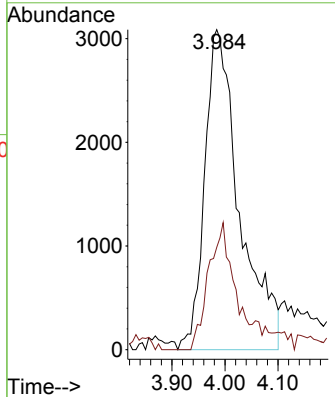
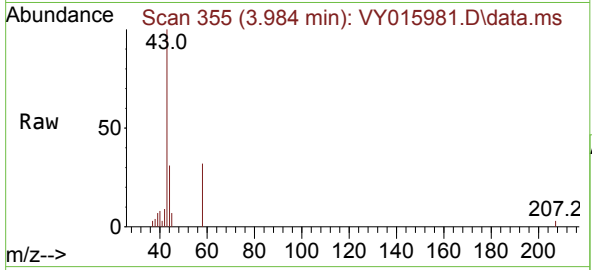


#16  
 Acetone  
 Concen: 15.461 ug/l  
 RT: 3.984 min Scan# 31  
 Delta R.T. 0.012 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 43 Resp: 14046

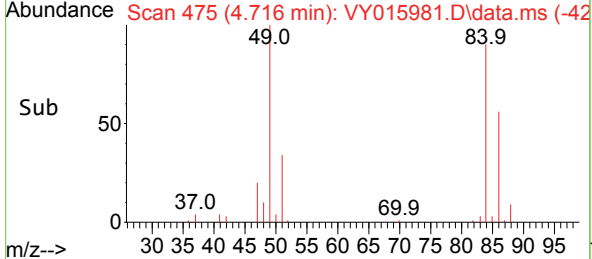
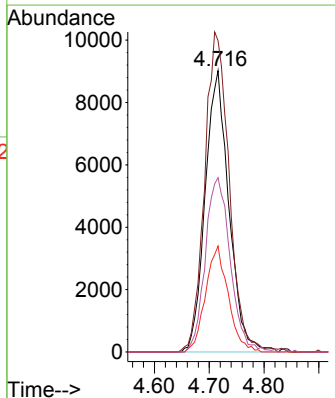
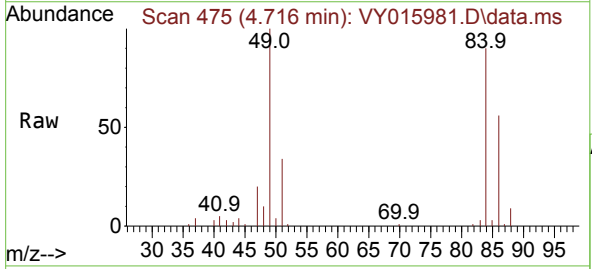
Ion	Ratio	Lower	Upper
43	100		
58	32.0	22.7	34.1

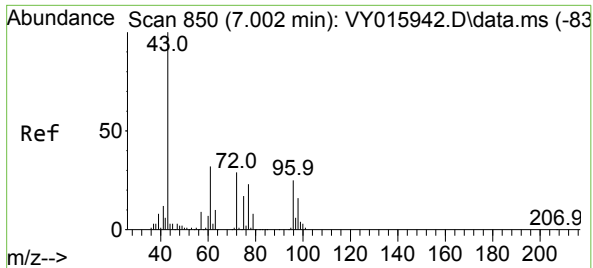


#20  
 Methylene Chloride  
 Concen: 12.599 ug/l  
 RT: 4.716 min Scan# 475  
 Delta R.T. -0.006 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

Tgt Ion: 84 Resp: 27241

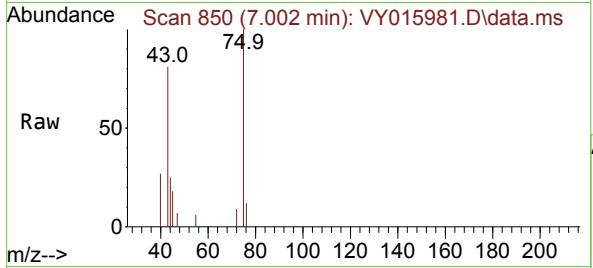
Ion	Ratio	Lower	Upper
84	100		
49	110.7	106.9	160.3
51	37.7	33.2	49.8
86	61.9	51.0	76.6



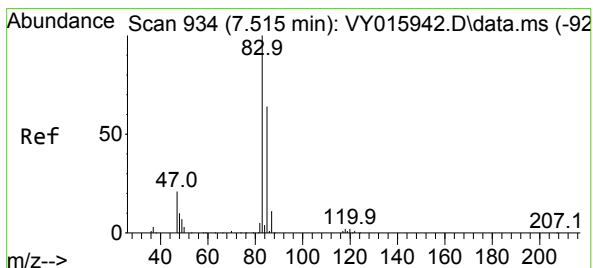
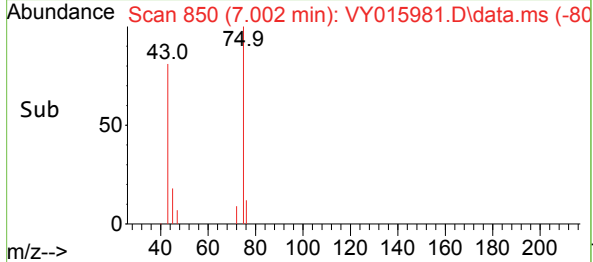
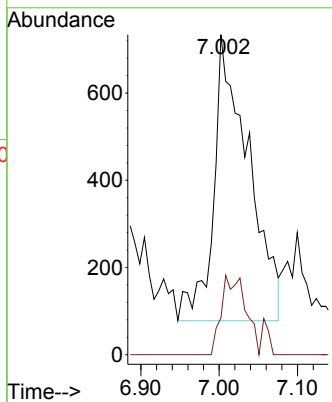


#25  
 2-Butanone  
 Concen: 1.530 ug/l  
 RT: 7.002 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

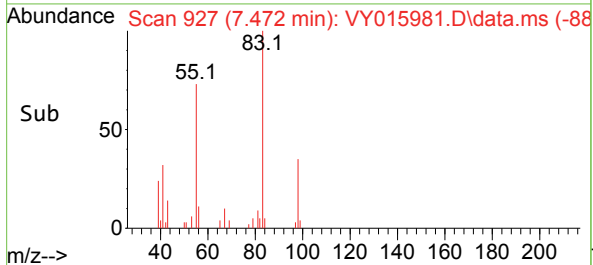
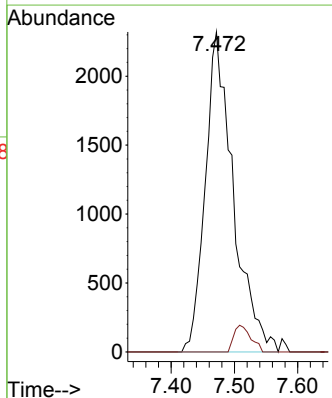
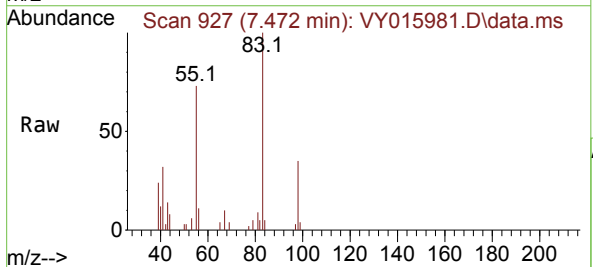


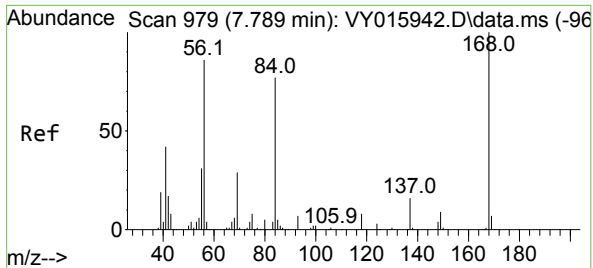
Tgt Ion: 43 Resp: 2023  
 Ion Ratio Lower Upper  
 43 100  
 72 12.8 20.5 30.7#



#30  
 Chloroform  
 Concen: 2.576 ug/l  
 RT: 7.472 min Scan# 927  
 Delta R.T. -0.043 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

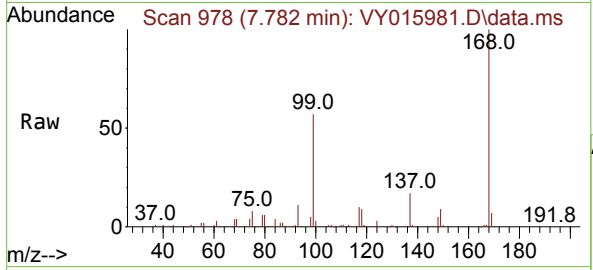
Tgt Ion: 83 Resp: 7114  
 Ion Ratio Lower Upper  
 83 100  
 85 0.0 49.7 74.5#





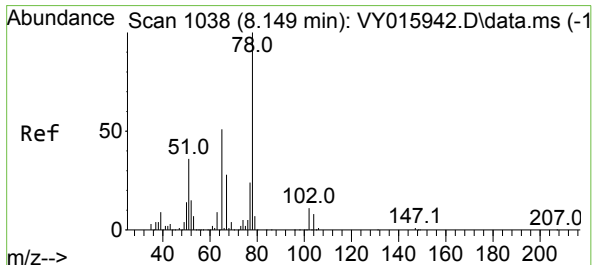
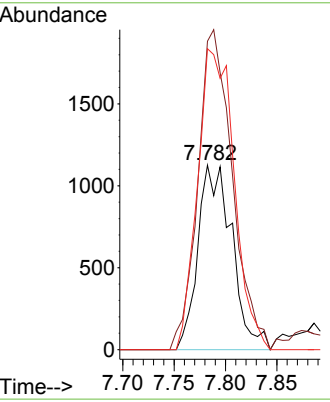
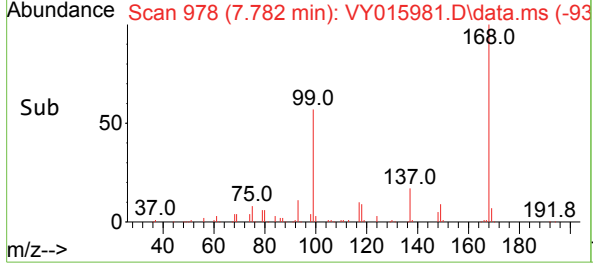
#31  
 Cyclohexane  
 Concen: 1.040 ug/l  
 RT: 7.782 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

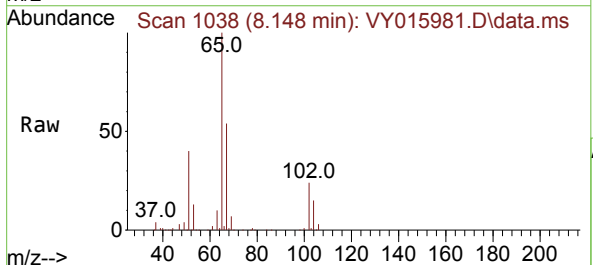


Tgt Ion: 56 Resp: 2588

Ion	Ratio	Lower	Upper
56	100		
69	167.2	27.8	41.6#
84	163.1	66.4	99.6#

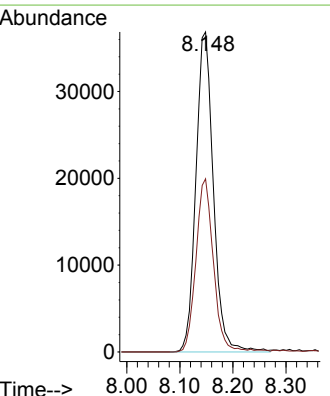
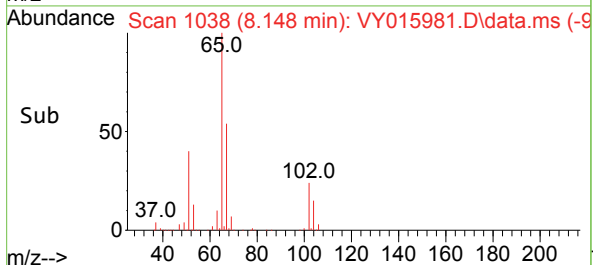


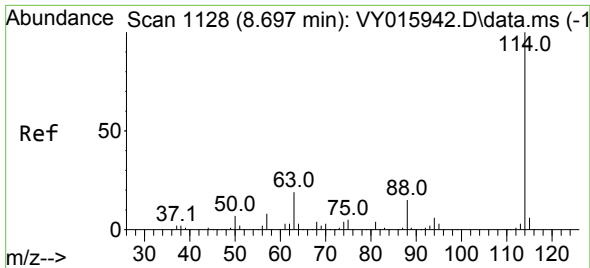
#33  
 1,2-Dichloroethane-d4  
 Concen: 54.011 ug/l  
 RT: 8.148 min Scan# 1038  
 Delta R.T. -0.000 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55



Tgt Ion: 65 Resp: 84468

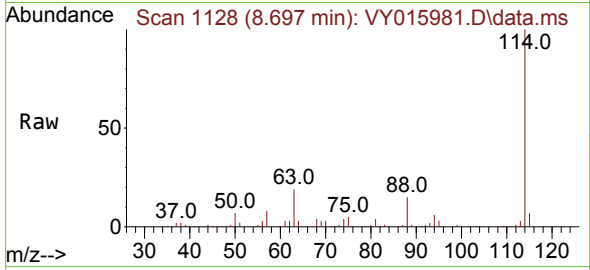
Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	101.8





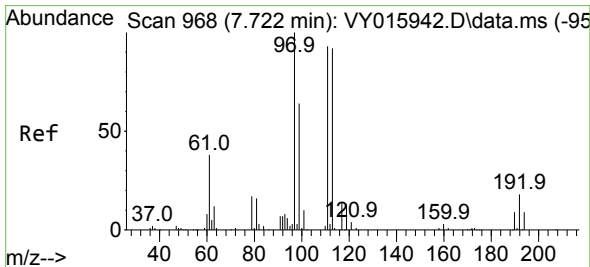
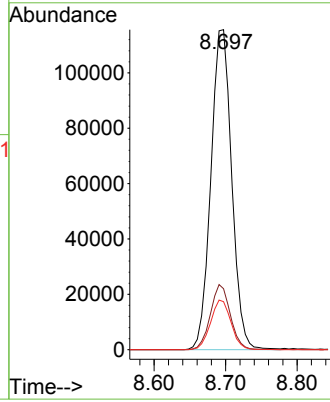
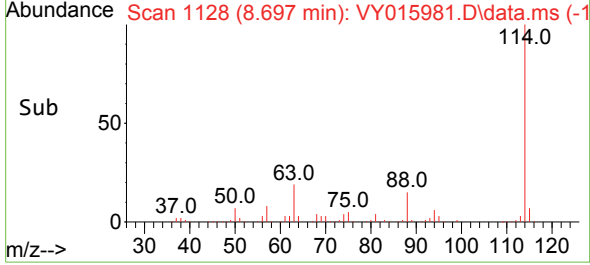
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.697 min Scan# 1128  
 Delta R.T. -0.000 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

Instrument : MSVOA\_Y  
 ClientSampleId :

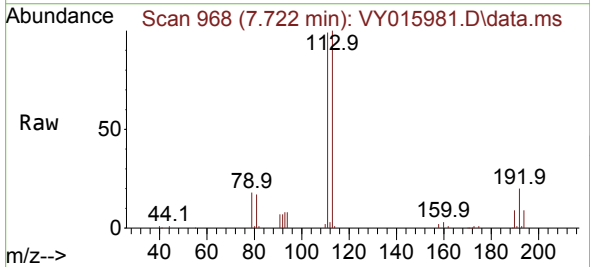


Tgt Ion:114 Resp: 234061

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	42.4
88	15.0	0.0	30.6

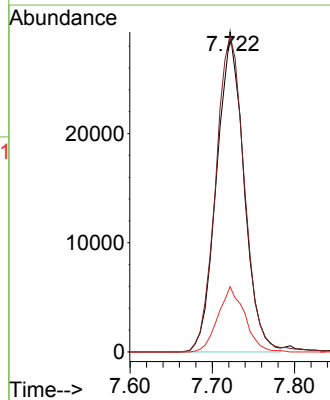
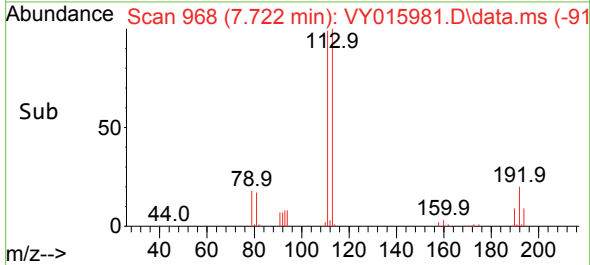


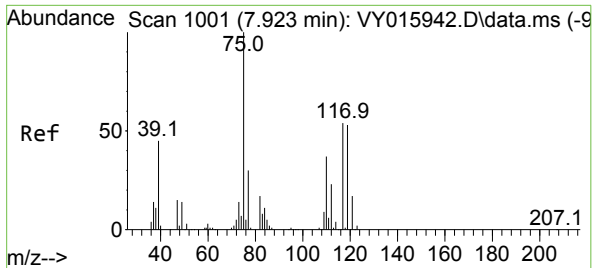
#35  
 Dibromofluoromethane  
 Concen: 45.638 ug/l  
 RT: 7.722 min Scan# 968  
 Delta R.T. -0.000 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55



Tgt Ion:113 Resp: 67250

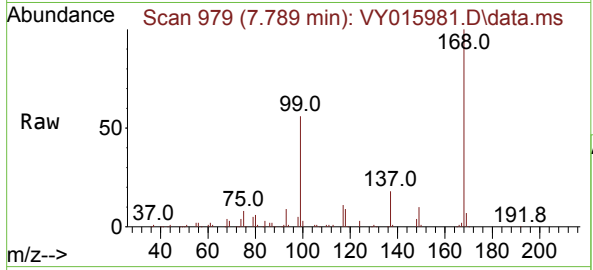
Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.3	121.9
192	20.1	16.9	25.3



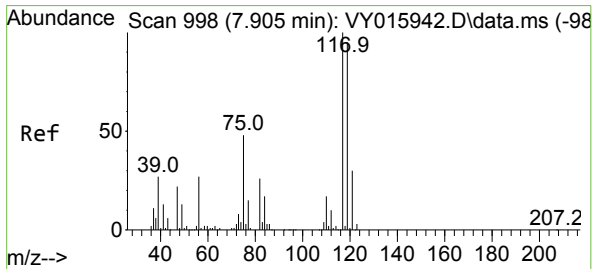
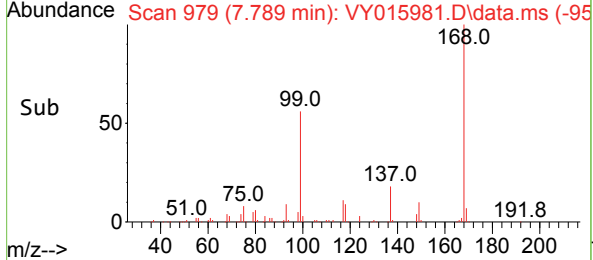
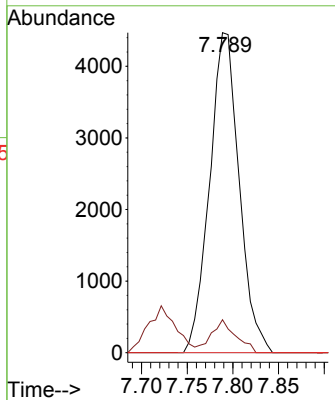


#36  
 1,1-Dichloropropene  
 Concen: 4.534 ug/l  
 RT: 7.789 min Scan# 919  
 Delta R.T. -0.134 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

Instrument : MSVOA\_Y  
 ClientSampleId :

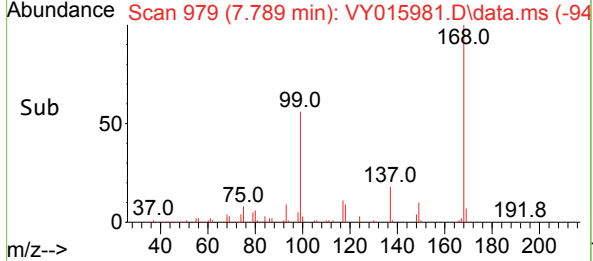
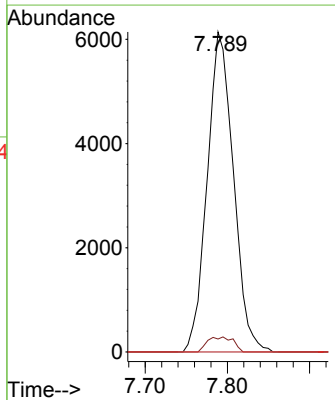
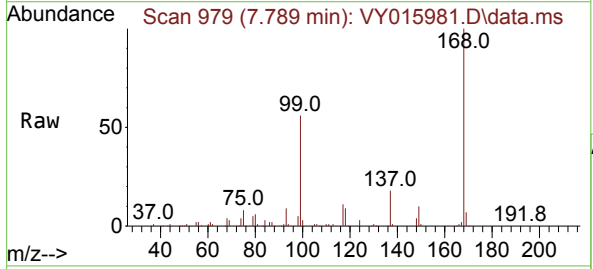


Tgt Ion: 75 Resp: 10081  
 Ion Ratio Lower Upper  
 75 100  
 110 8.5 17.8 53.5#  
 77 0.0 24.4 36.6#

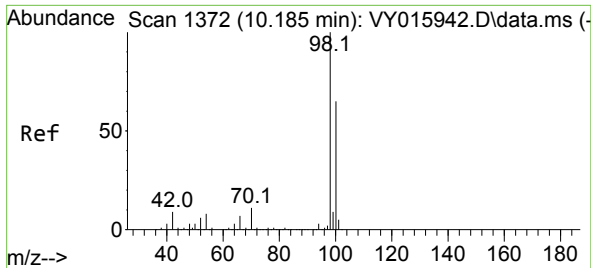


#38  
 Carbon Tetrachloride  
 Concen: 5.819 ug/l  
 RT: 7.789 min Scan# 979  
 Delta R.T. -0.116 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

Tgt Ion: 117 Resp: 13626  
 Ion Ratio Lower Upper  
 117 100  
 119 4.0 76.4 114.6#  
 121 0.0 25.8 38.6#

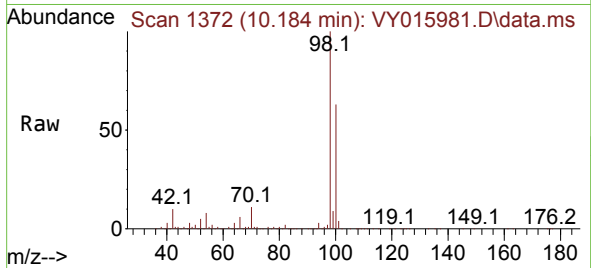




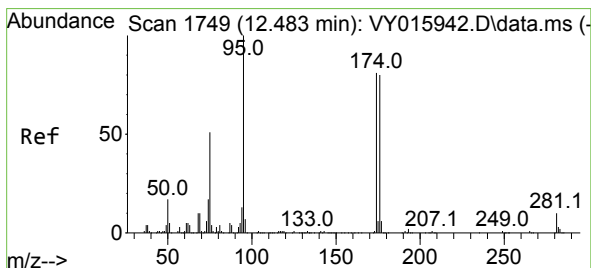
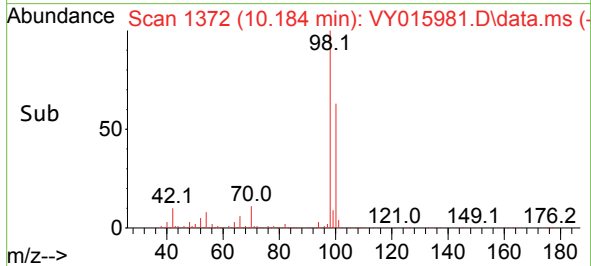
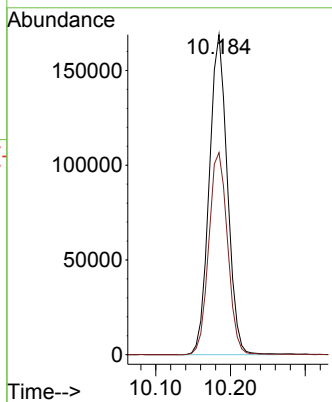


#50  
 Toluene-d8  
 Concen: 51.583 ug/l  
 RT: 10.184 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

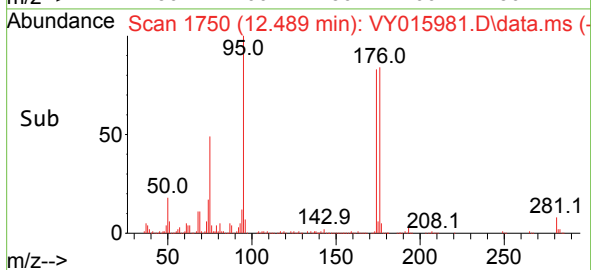
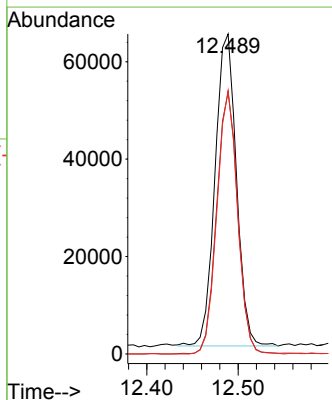
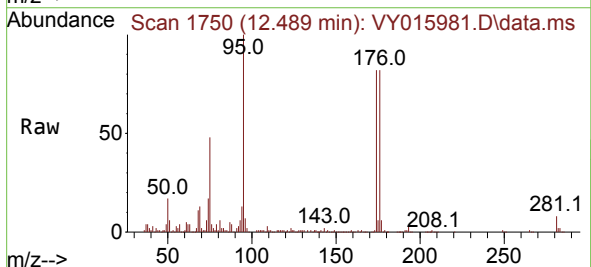


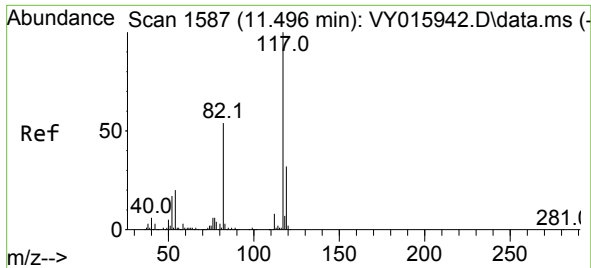
Tgt Ion: 98 Resp: 284650  
 Ion Ratio Lower Upper  
 98 100  
 100 65.6 50.1 75.1



#62  
 4-Bromofluorobenzene  
 Concen: 52.983 ug/l  
 RT: 12.489 min Scan# 1750  
 Delta R.T. 0.006 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

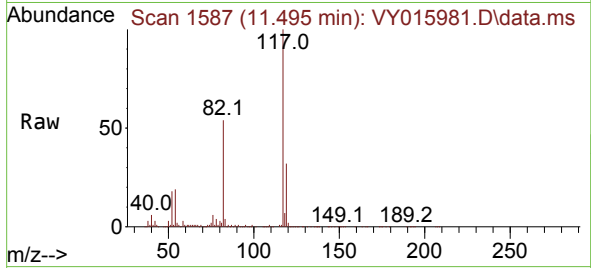
Tgt Ion: 95 Resp: 104110  
 Ion Ratio Lower Upper  
 95 100  
 174 82.8 0.0 178.2  
 176 81.1 0.0 173.8



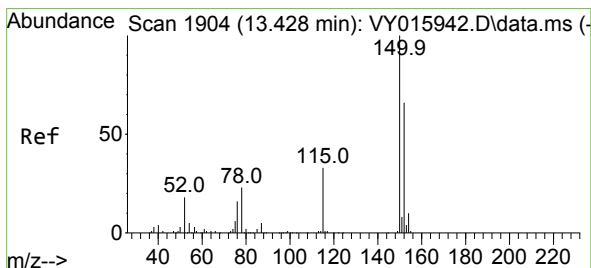
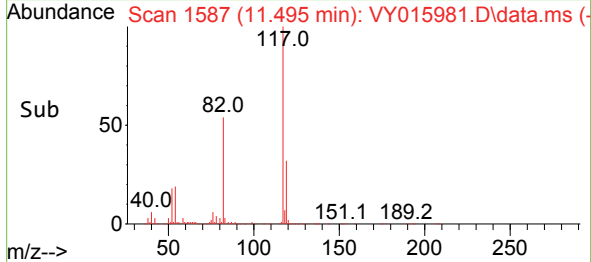
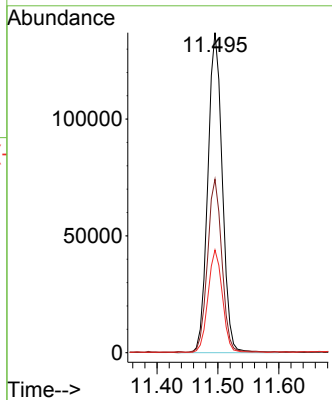


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.495 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

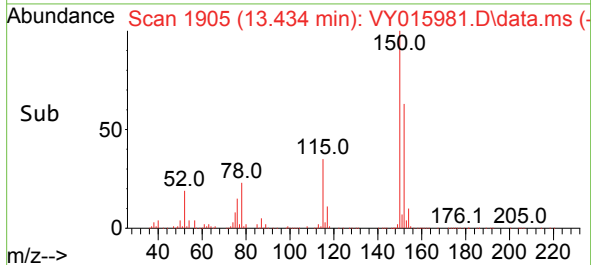
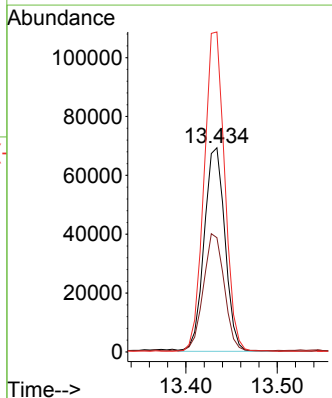
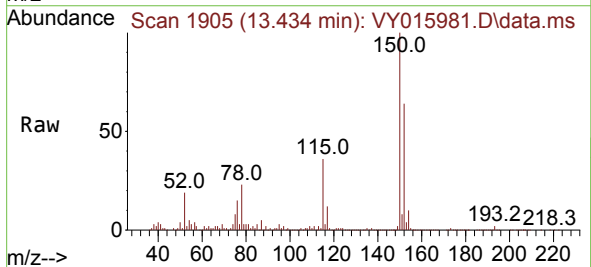


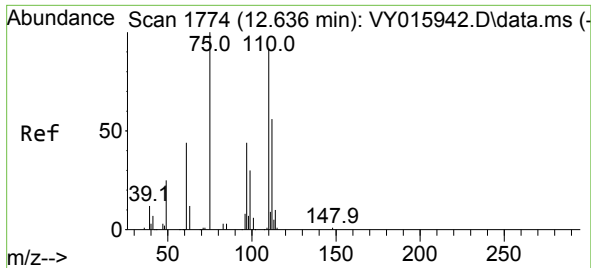
Tgt Ion:117 Resp: 225666  
 Ion Ratio Lower Upper  
 117 100  
 82 54.0 43.4 65.0  
 119 31.9 26.3 39.5



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.434 min Scan# 1905  
 Delta R.T. 0.006 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

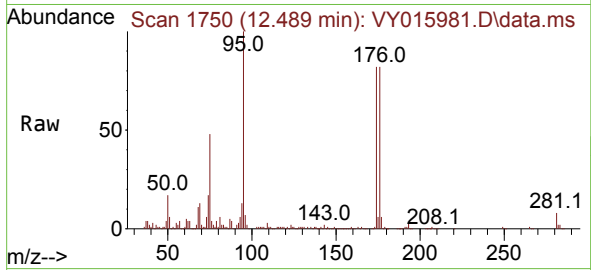
Tgt Ion:152 Resp: 109269  
 Ion Ratio Lower Upper  
 152 100  
 115 57.5 28.8 86.5  
 150 155.3 0.0 348.8



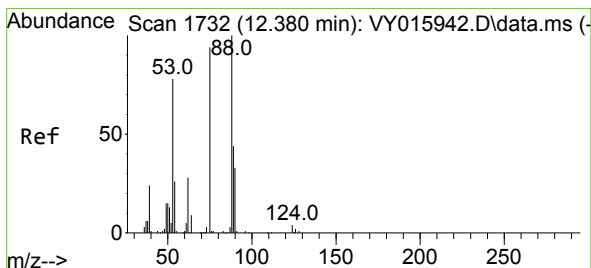
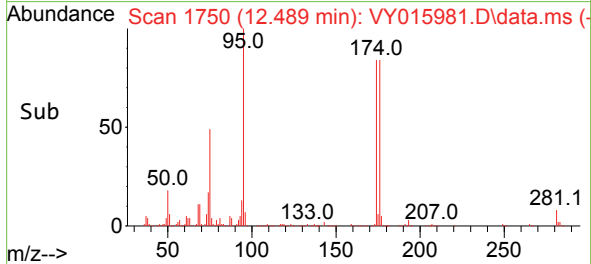
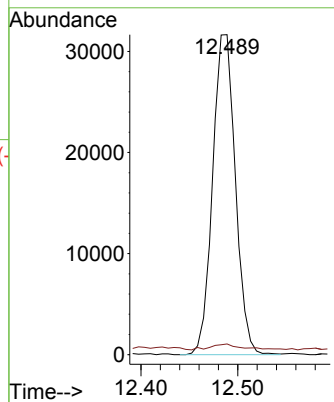


#76  
 1,2,3-Trichloropropane  
 Concen: 24.236 ug/l  
 RT: 12.489 min Scan# 1750  
 Delta R.T. -0.147 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

Instrument : MSVOA\_Y  
 ClientSampleId :

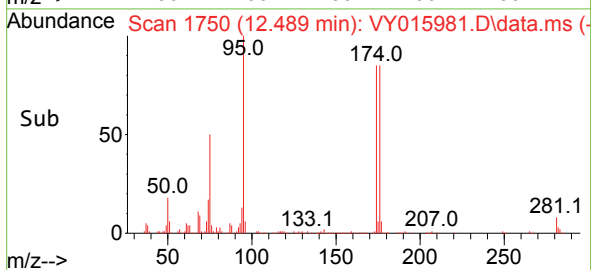
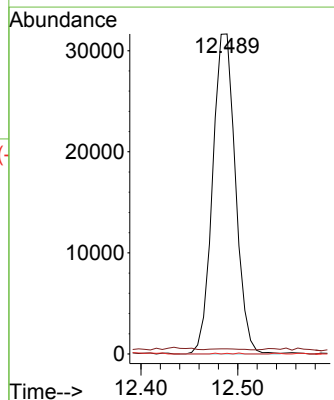
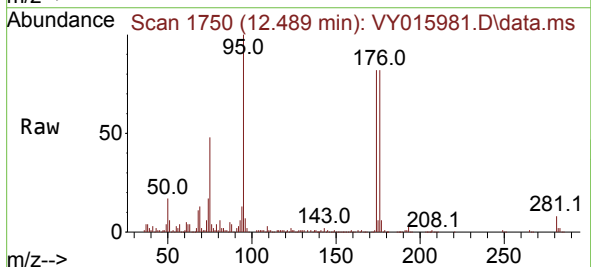


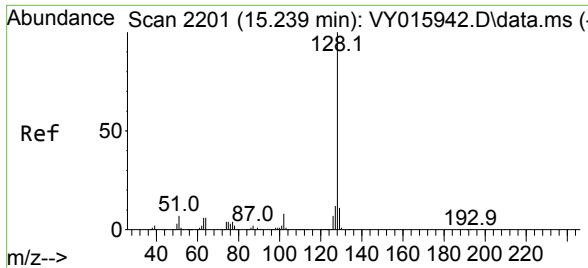
Tgt Ion: 75 Resp: 51826  
 Ion Ratio Lower Upper  
 75 100  
 77 2.6 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 57.092 ug/l  
 RT: 12.489 min Scan# 1750  
 Delta R.T. 0.109 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

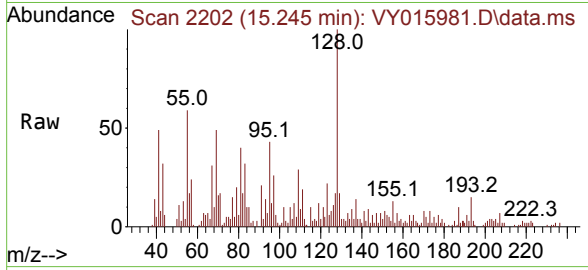
Tgt Ion: 75 Resp: 51826  
 Ion Ratio Lower Upper  
 75 100  
 53 0.3 77.8 116.8#  
 89 0.1 37.4 56.0#





#95  
 Naphthalene  
 Concen: 1.900 ug/l  
 RT: 15.245 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VY015981.D  
 Acq: 16 Oct 2023 13:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion:128 Resp: 14178

Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.8	16.2
129	13.8	8.6	13.0

