

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016708.D
 Acq On : 19 Dec 2023 21:13
 Operator : SY/MD
 Sample : 05796-06
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 06:40:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:26:40 2023
 Response via : Initial Calibration

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

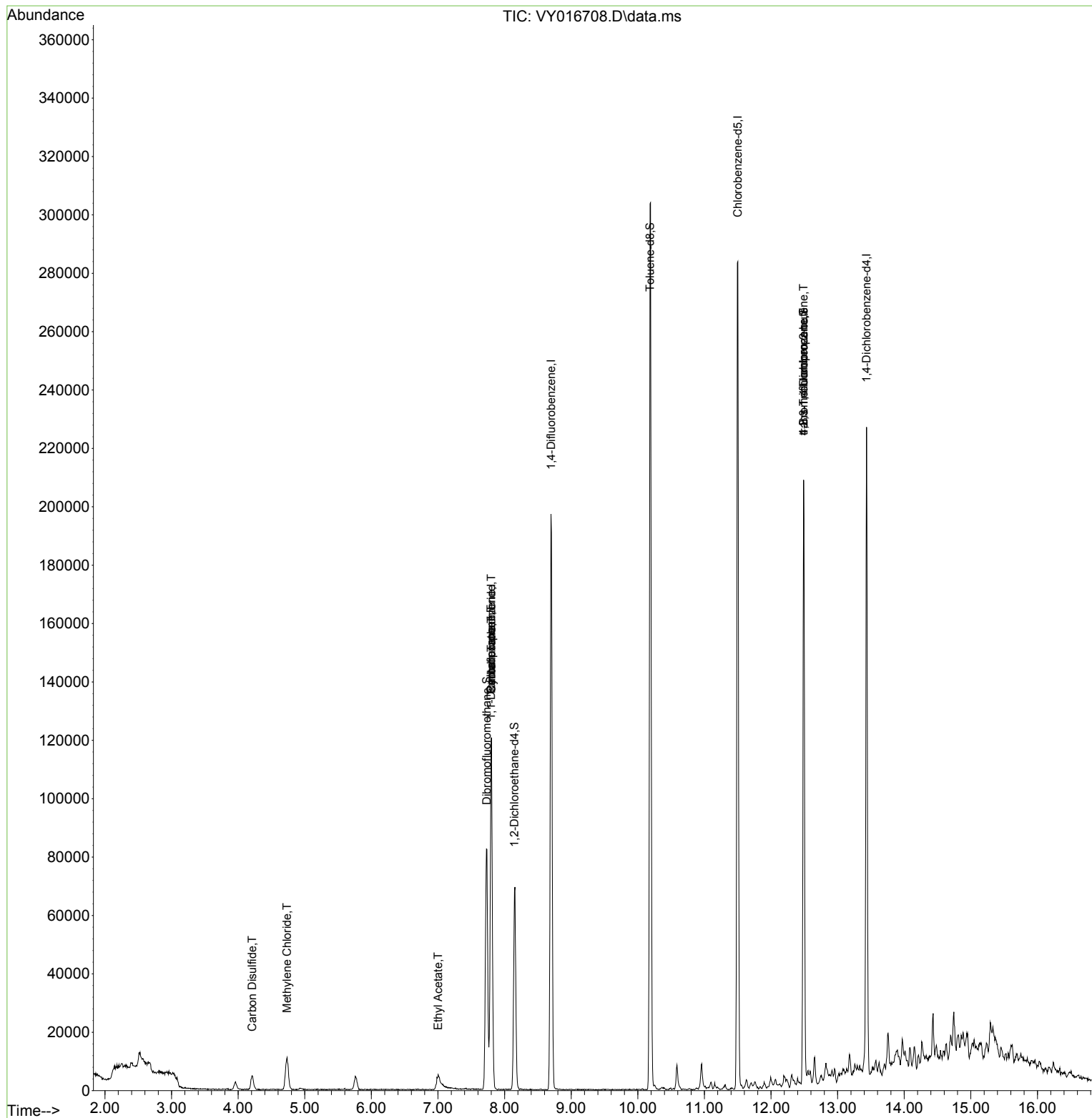
Internal Standards						
1) Pentafluorobenzene	7.801	168	96626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	170878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	158327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	57192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	52681	65.915	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.820%	
35) Dibromofluoromethane	7.734	113	58487	58.115	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.220%	
50) Toluene-d8	10.185	98	202699	55.613	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.220%	
62) 4-Bromofluorobenzene	12.489	95	53389	51.517	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.040%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	125	Below Cal	#	43
3) Chloromethane	2.125	50	221	Below Cal	#	41
11) Tert butyl alcohol	4.985	59	78	Below Cal	#	73
16) Acetone	3.960	43	4393	Below Cal		99
17) Carbon Disulfide	4.210	76	8998	4.177	ug/l	100
20) Methylene Chloride	4.735	84	8851	5.584	ug/l	96
25) 2-Butanone	7.003	43	1139	Below Cal	#	42
31) Cyclohexane	7.801	56	2237	1.710	ug/l #	58
36) 1,1-Dichloropropene	7.795	75	7775	5.107	ug/l #	46
37) Ethyl Acetate	7.003	43	1139	1.953	ug/l #	84
38) Carbon Tetrachloride	7.801	117	8871	5.401	ug/l #	18
76) 1,2,3-Trichloropropane	12.489	75	30756	61.865	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	30756	141.943	ug/l #	18

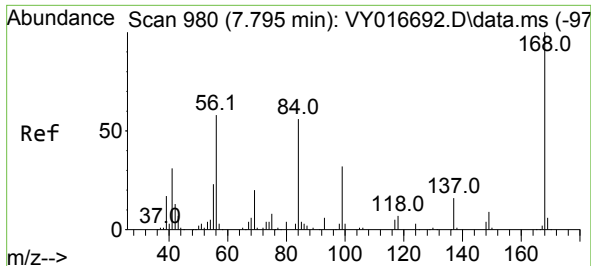
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 20 05:26:40 2023
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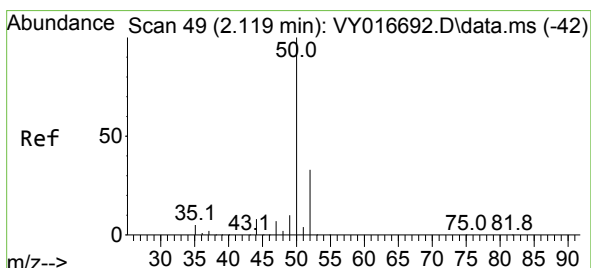
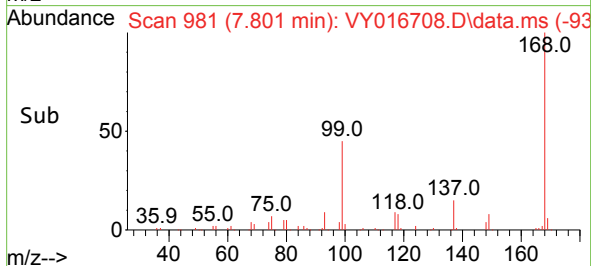
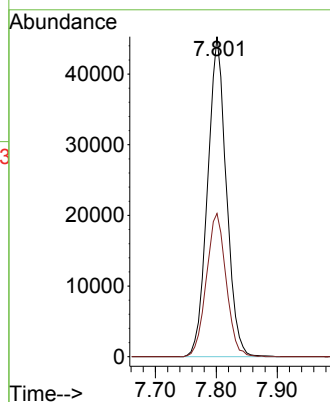
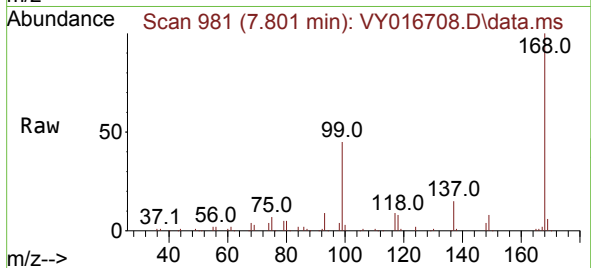




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016708.D
Acq: 19 Dec 2023 21:13

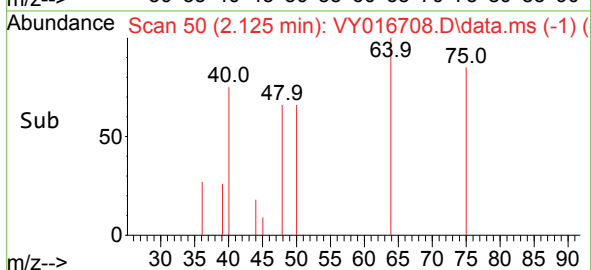
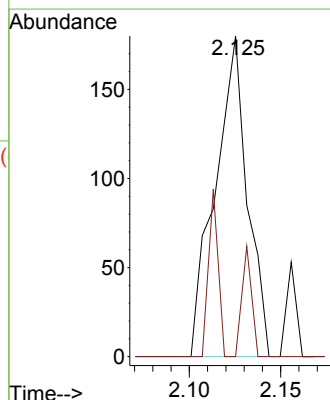
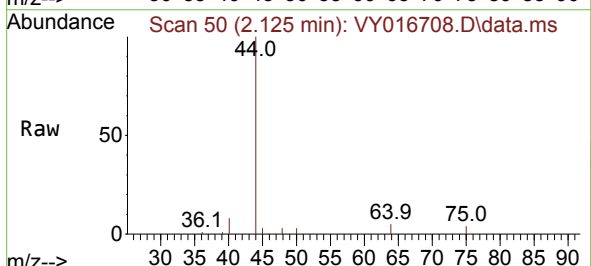
Instrument :
MSVOA_Y
ClientSampleId :

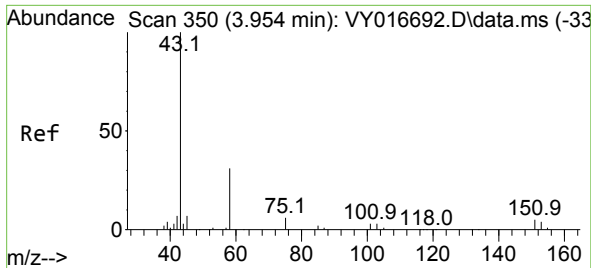
Tgt Ion:168 Resp: 96626
Ion Ratio Lower Upper
168 100
99 44.8 40.2 60.4



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY016708.D
Acq: 19 Dec 2023 21:13

Tgt Ion: 50 Resp: 221
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

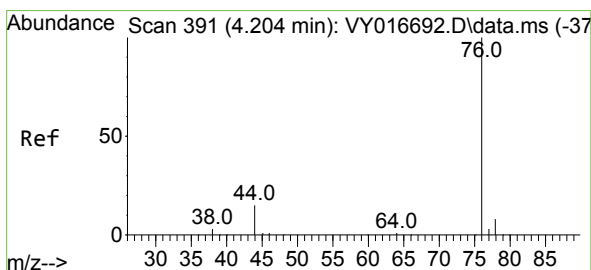
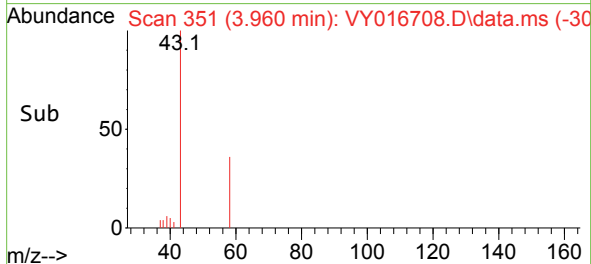
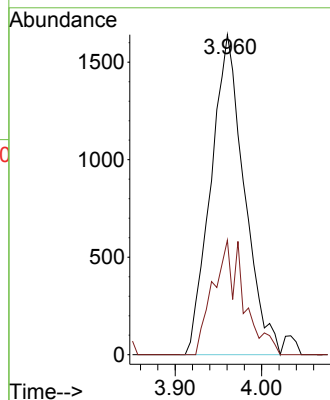
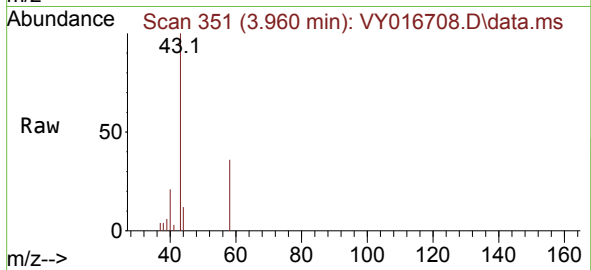




#16
Acetone
Concen: Below Cal
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY016708.D
Acq: 19 Dec 2023 21:13

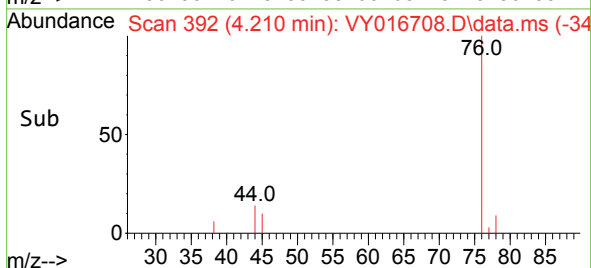
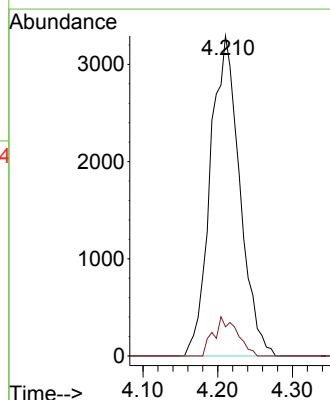
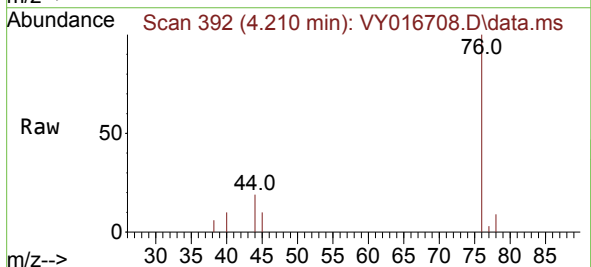
Instrument :
MSVOA_Y
ClientSampleId :

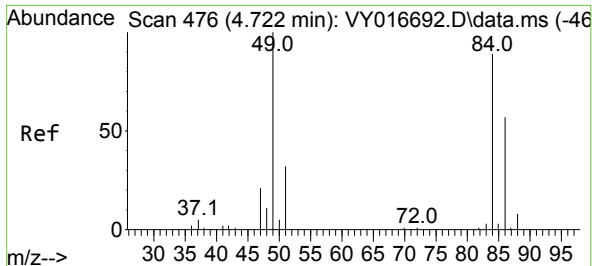
Tgt Ion: 43 Resp: 4393
Ion Ratio Lower Upper
43 100
58 35.8 29.0 43.4



#17
Carbon Disulfide
Concen: 4.177 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY016708.D
Acq: 19 Dec 2023 21:13

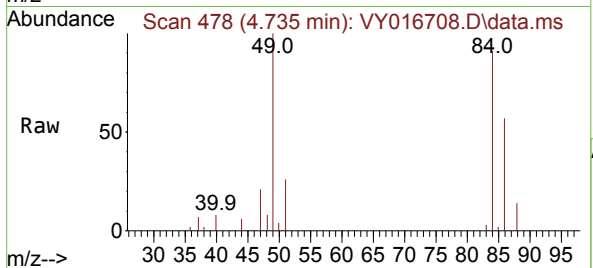
Tgt Ion: 76 Resp: 8998
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



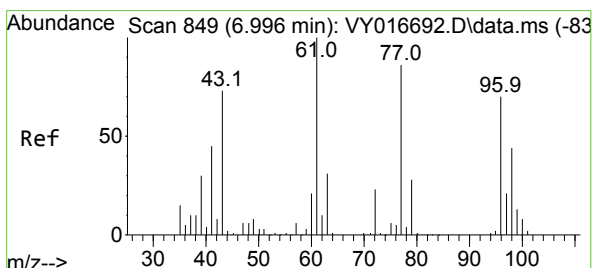
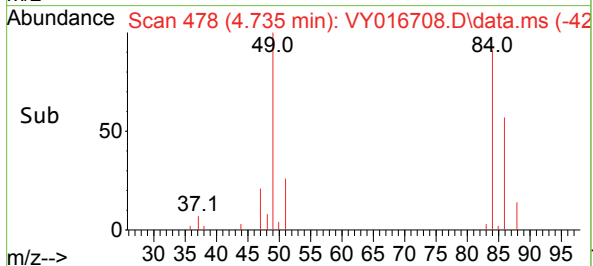
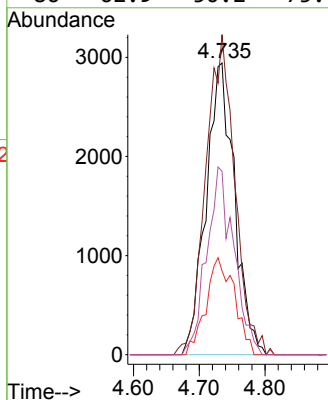


#20
Methylene Chloride
Concen: 5.584 ug/l
RT: 4.735 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY016708.D
Acq: 19 Dec 2023 21:13

Instrument :
MSVOA_Y
ClientSampleId :

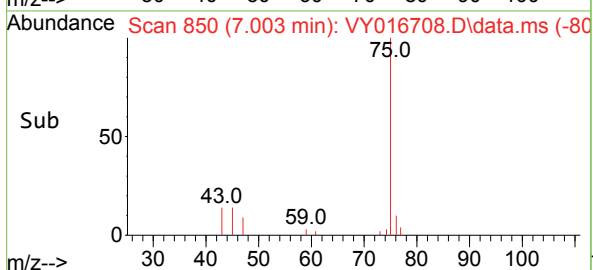
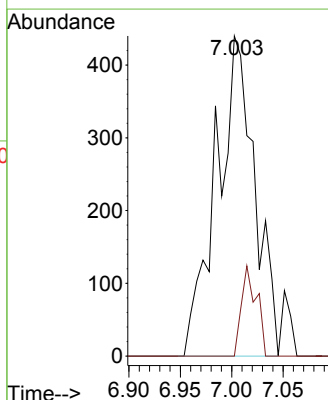
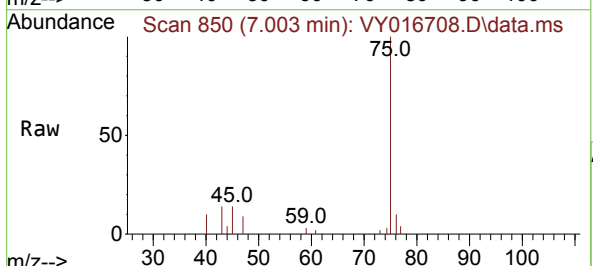


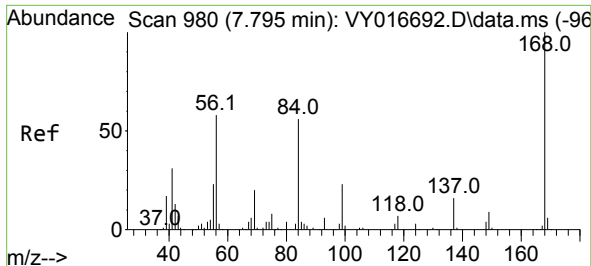
Tgt Ion: 84	Resp: 8851
Ion Ratio	Lower Upper
84 100	
49 109.7	83.8 125.8
51 28.7	27.2 40.8
86 62.9	50.2 75.4



#25
2-Butanone
Concen: Below Cal
RT: 7.003 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY016708.D
Acq: 19 Dec 2023 21:13

Tgt Ion: 43	Resp: 1139
Ion Ratio	Lower Upper
43 100	
72 0.0	26.3 39.5#

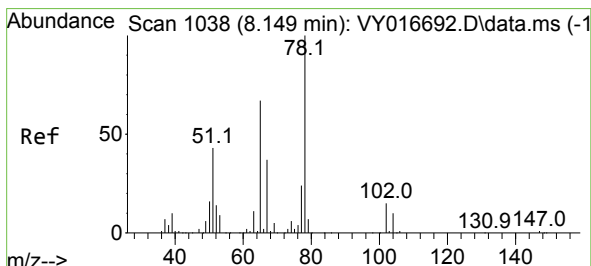
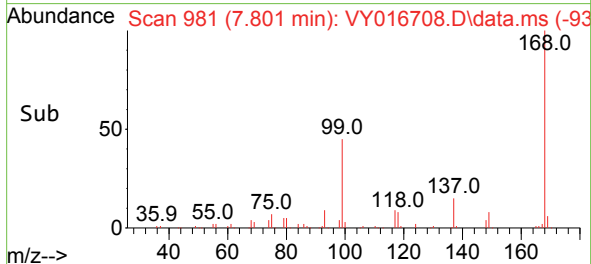
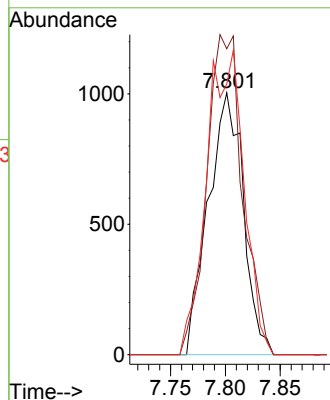
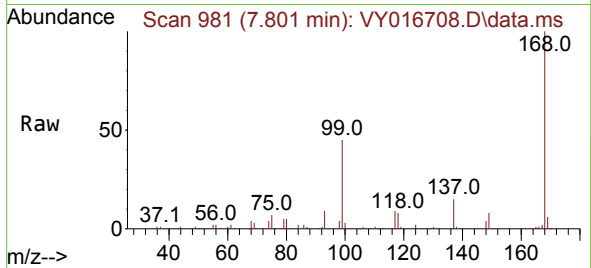




#31
Cyclohexane
Concen: 1.710 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016708.D
Acq: 19 Dec 2023 21:13

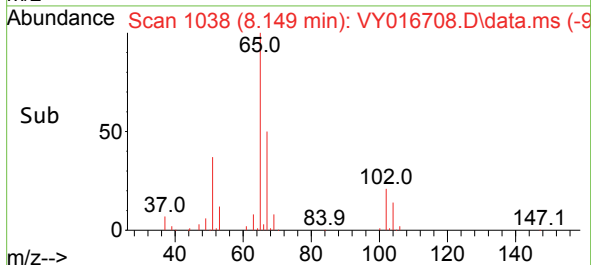
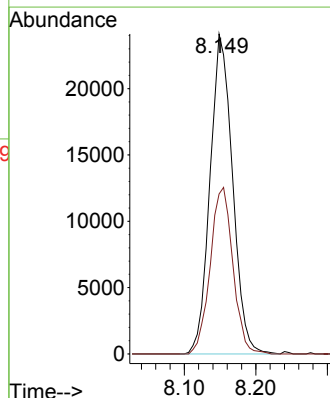
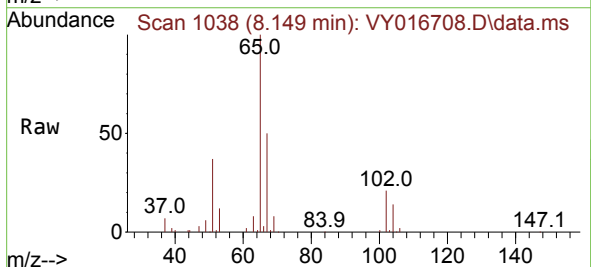
Instrument :
MSVOA_Y
ClientSampleId :

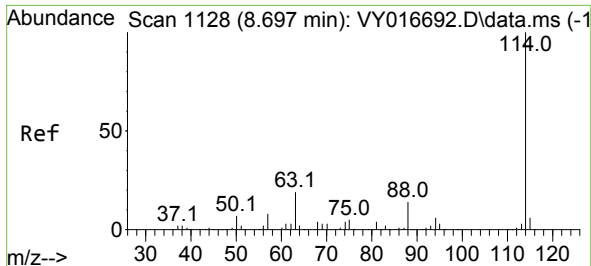
Tgt Ion: 56 Resp: 2237
Ion Ratio Lower Upper
56 100
69 116.8 27.5 41.3#
84 103.4 78.1 117.1



#33
1,2-Dichloroethane-d4
Concen: 65.915 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY016708.D
Acq: 19 Dec 2023 21:13

Tgt Ion: 65 Resp: 52681
Ion Ratio Lower Upper
65 100
67 52.5 0.0 108.6

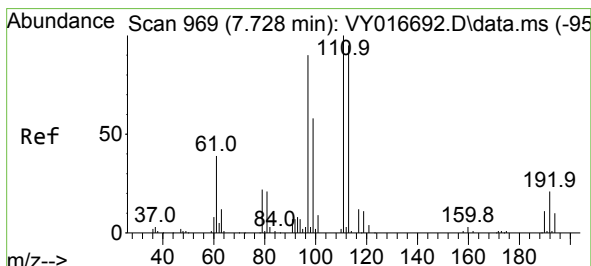
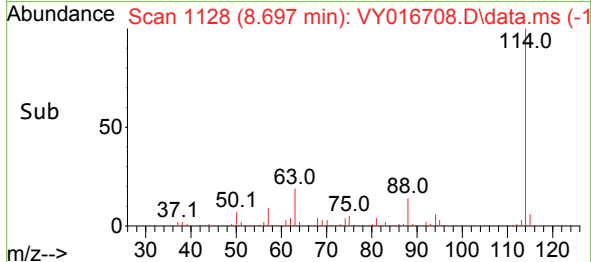
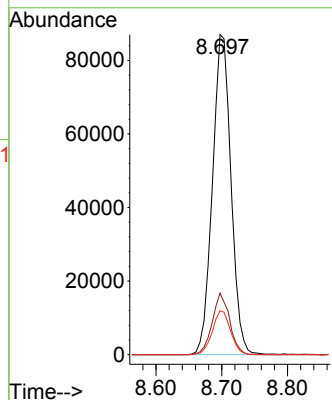
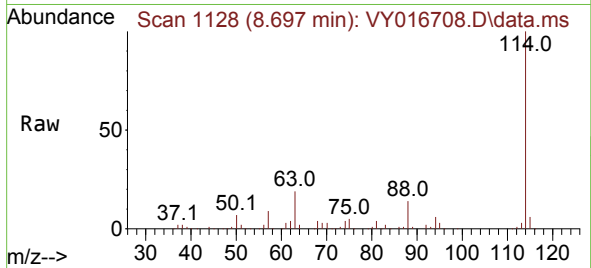




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY016708.D
Acq: 19 Dec 2023 21:13

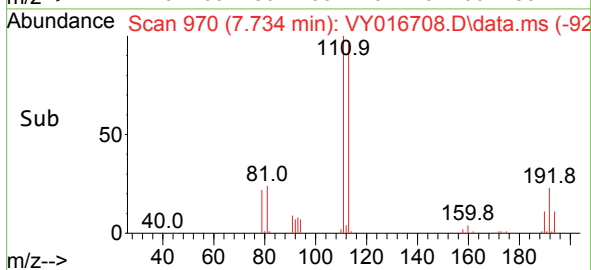
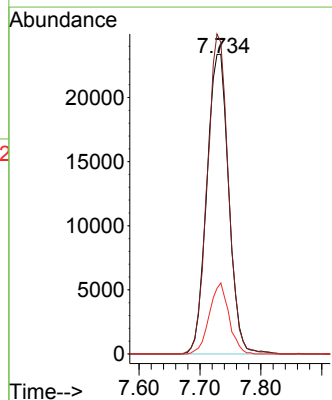
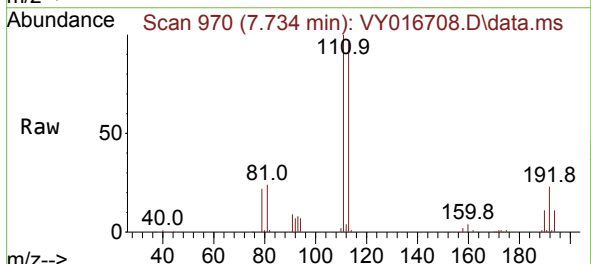
Instrument :
MSVOA_Y
ClientSampleId :

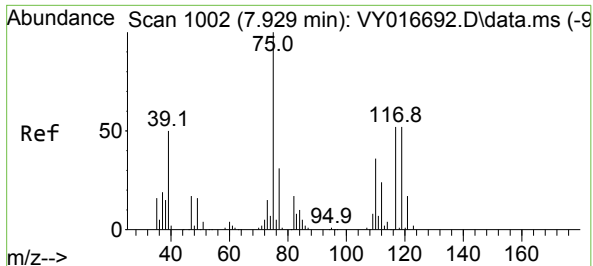
Tgt Ion:114 Resp: 170878
Ion Ratio Lower Upper
114 100
63 19.3 0.0 34.0
88 13.7 0.0 29.2



#35
Dibromofluoromethane
Concen: 58.115 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY016708.D
Acq: 19 Dec 2023 21:13

Tgt Ion:113 Resp: 58487
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 21.2 16.2 24.4





#36

1,1-Dichloropropene

Concen: 5.107 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.134 min

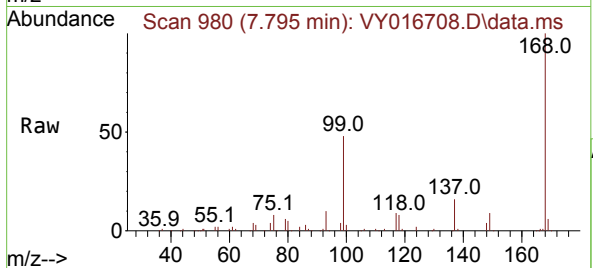
Lab File: VY016708.D

Acq: 19 Dec 2023 21:13

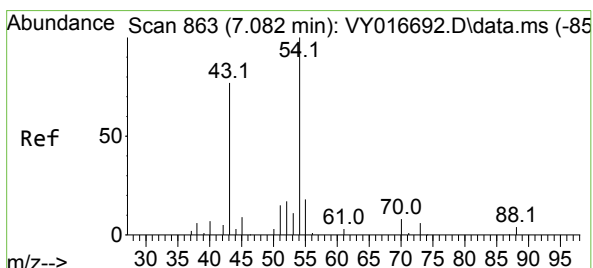
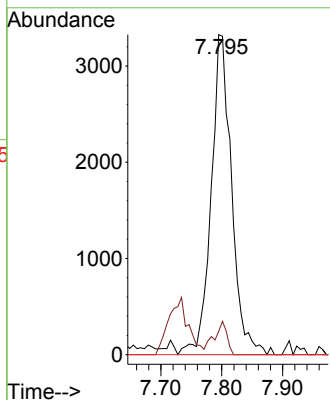
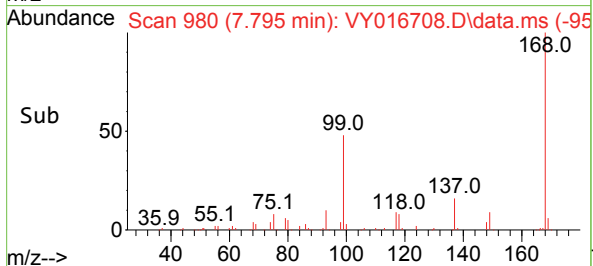
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 7775
Ion Ratio	Lower Upper
75 100	
110 6.6	18.9 56.9#
77 0.0	25.3 37.9#



#37

Ethyl Acetate

Concen: 1.953 ug/l

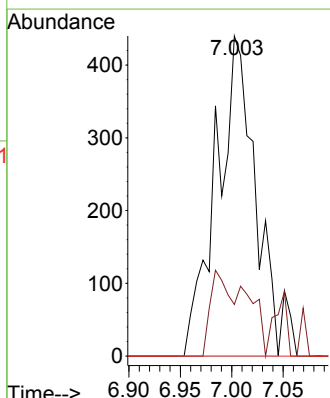
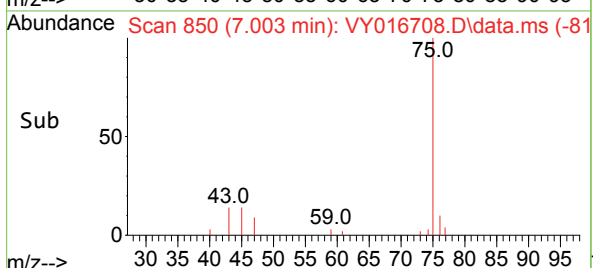
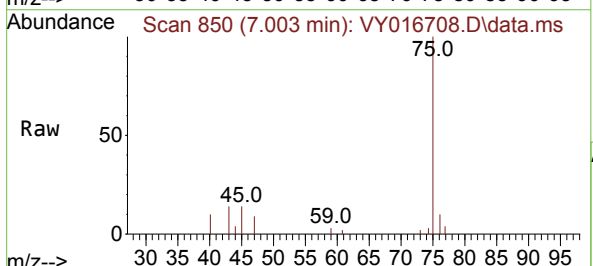
RT: 7.003 min Scan# 850

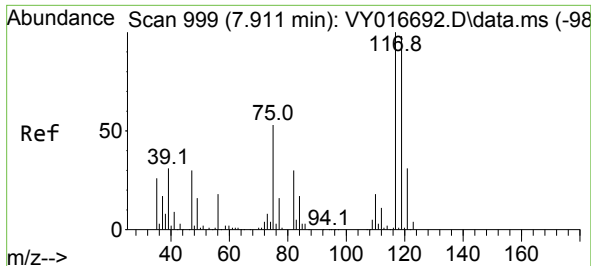
Delta R.T. -0.079 min

Lab File: VY016708.D

Acq: 19 Dec 2023 21:13

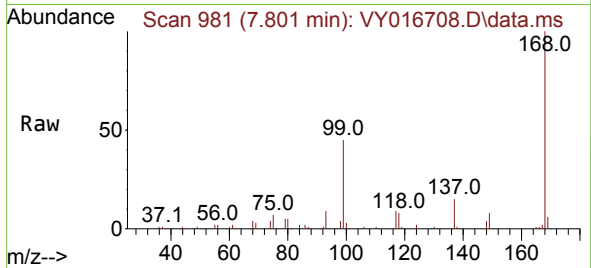
Tgt Ion: 43	Resp: 1139
Ion Ratio	Lower Upper
43 100	
61 14.2	13.0 19.4
70 0.0	9.9 14.9#



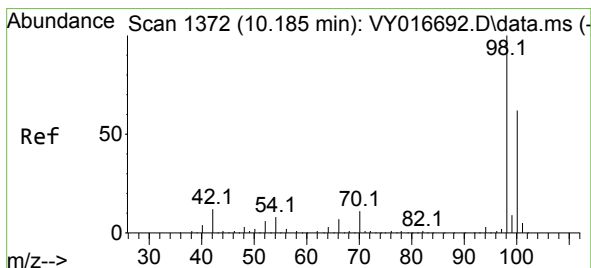
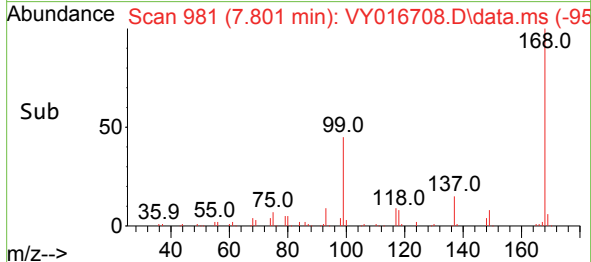
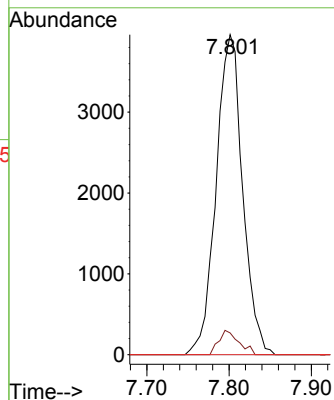


#38
Carbon Tetrachloride
Concen: 5.401 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016708.D
Acq: 19 Dec 2023 21:13

Instrument :
MSVOA_Y
ClientSampleId :

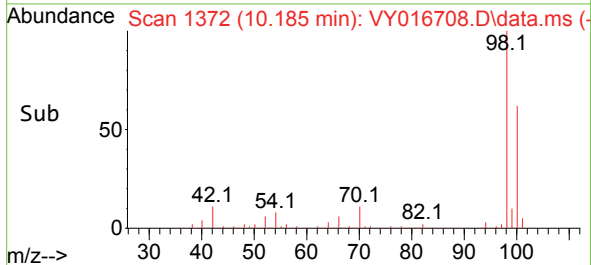
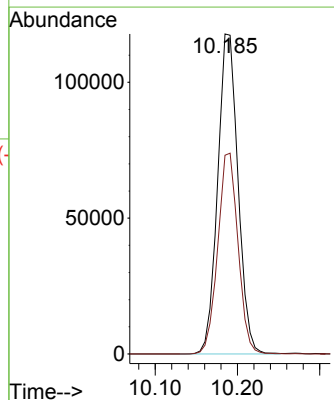
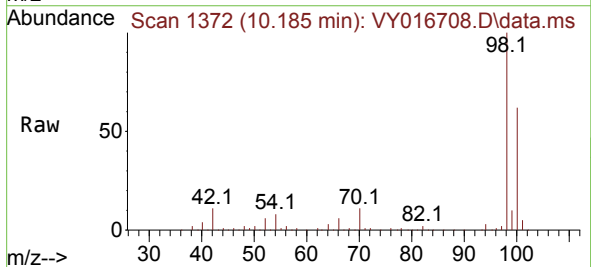


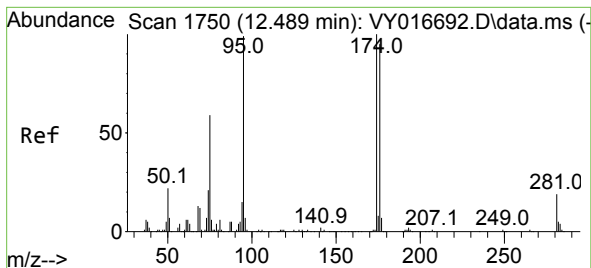
Tgt Ion:117 Resp: 8871
Ion Ratio Lower Upper
117 100
119 6.8 75.0 112.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 55.613 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY016708.D
Acq: 19 Dec 2023 21:13

Tgt Ion: 98 Resp: 202699
Ion Ratio Lower Upper
98 100
100 62.5 52.5 78.7

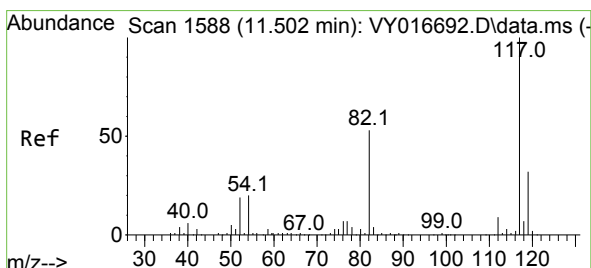
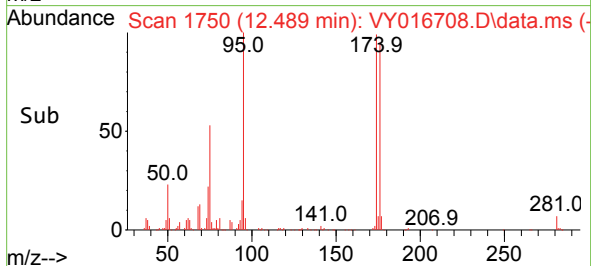
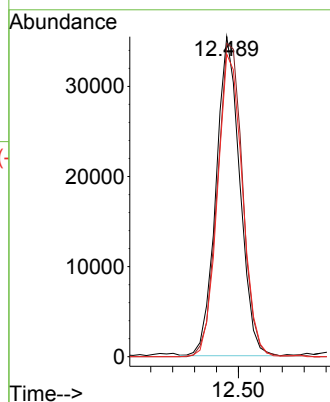
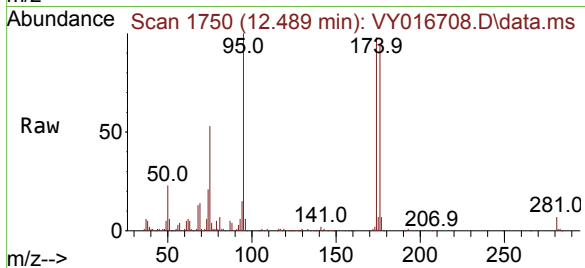




#62
4-Bromofluorobenzene
Concen: 51.517 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016708.D
Acq: 19 Dec 2023 21:13

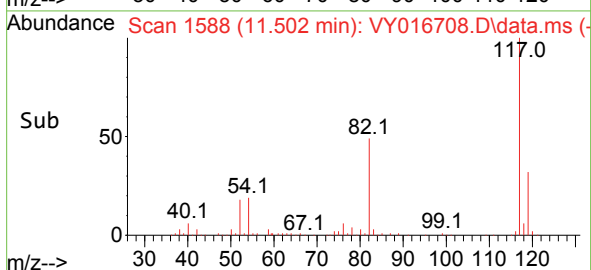
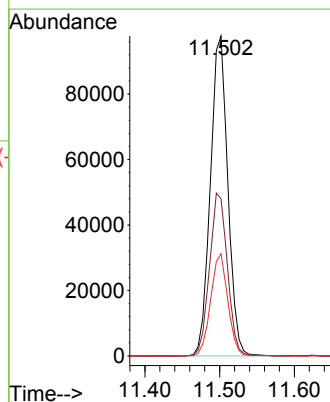
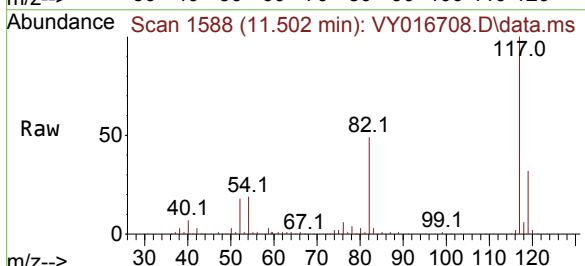
Instrument :
MSVOA_Y
ClientSampleId :

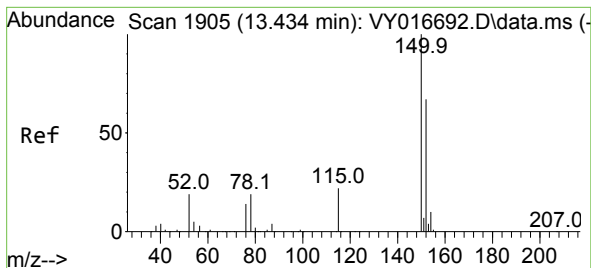
Tgt Ion: 95 Resp: 53389
Ion Ratio Lower Upper
95 100
174 104.1 0.0 181.0
176 99.6 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY016708.D
Acq: 19 Dec 2023 21:13

Tgt Ion: 117 Resp: 158327
Ion Ratio Lower Upper
117 100
82 49.2 41.0 61.6
119 31.9 25.8 38.8

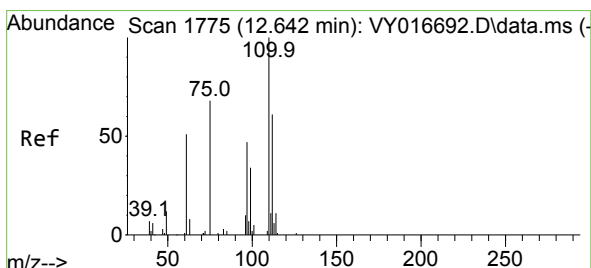
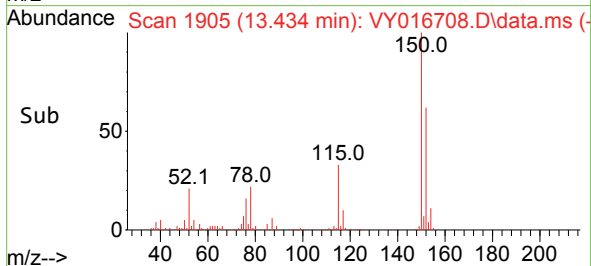
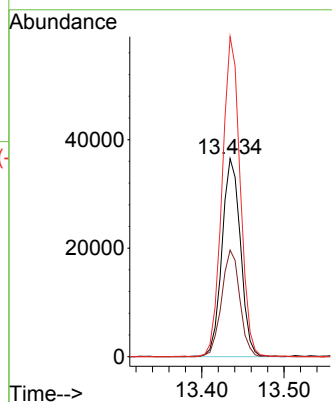
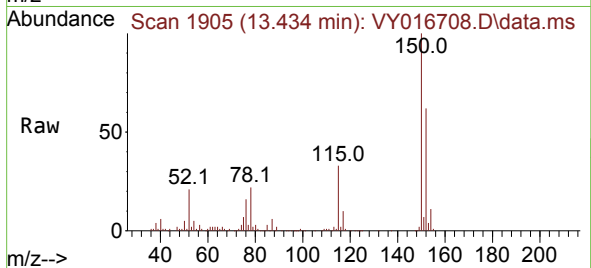




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.000 min
 Lab File: VY016708.D
 Acq: 19 Dec 2023 21:13

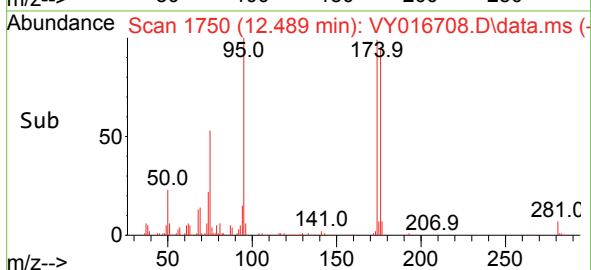
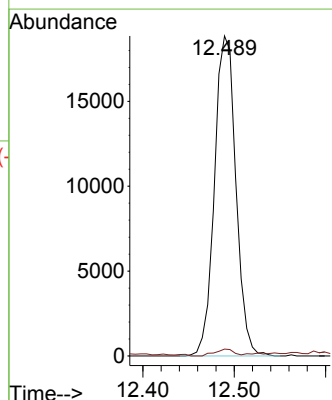
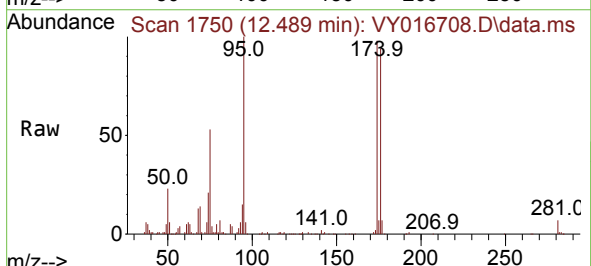
Instrument :
 MSVOA_Y
 ClientSampleId :

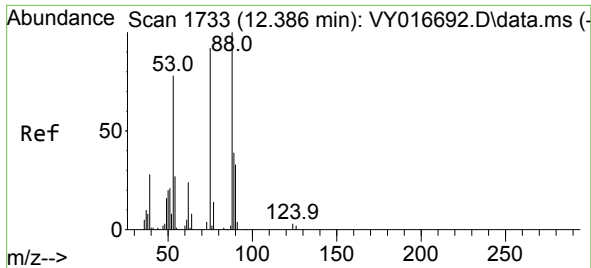
Tgt Ion:152 Resp: 57192
 Ion Ratio Lower Upper
 152 100
 115 53.3 28.2 84.7
 150 157.6 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 61.865 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.152 min
 Lab File: VY016708.D
 Acq: 19 Dec 2023 21:13

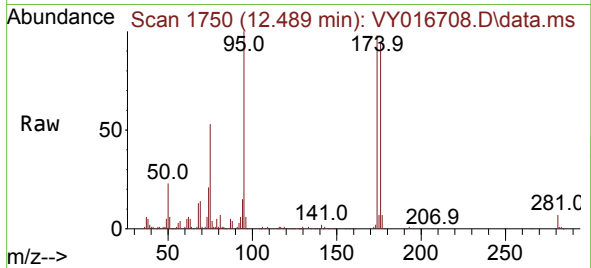
Tgt Ion: 75 Resp: 30756
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.943 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY016708.D
 Acq: 19 Dec 2023 21:13

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	30756
Ion	Ratio	Lower	Upper
75	100		
53	0.1	62.9	94.3#
89	0.0	35.8	53.8#

