

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022706.D
 Acq On : 16 Jun 2025 14:59
 Operator : SY/MD
 Sample : Q2305-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-06122025RE

Quant Time: Jun 17 05:54:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

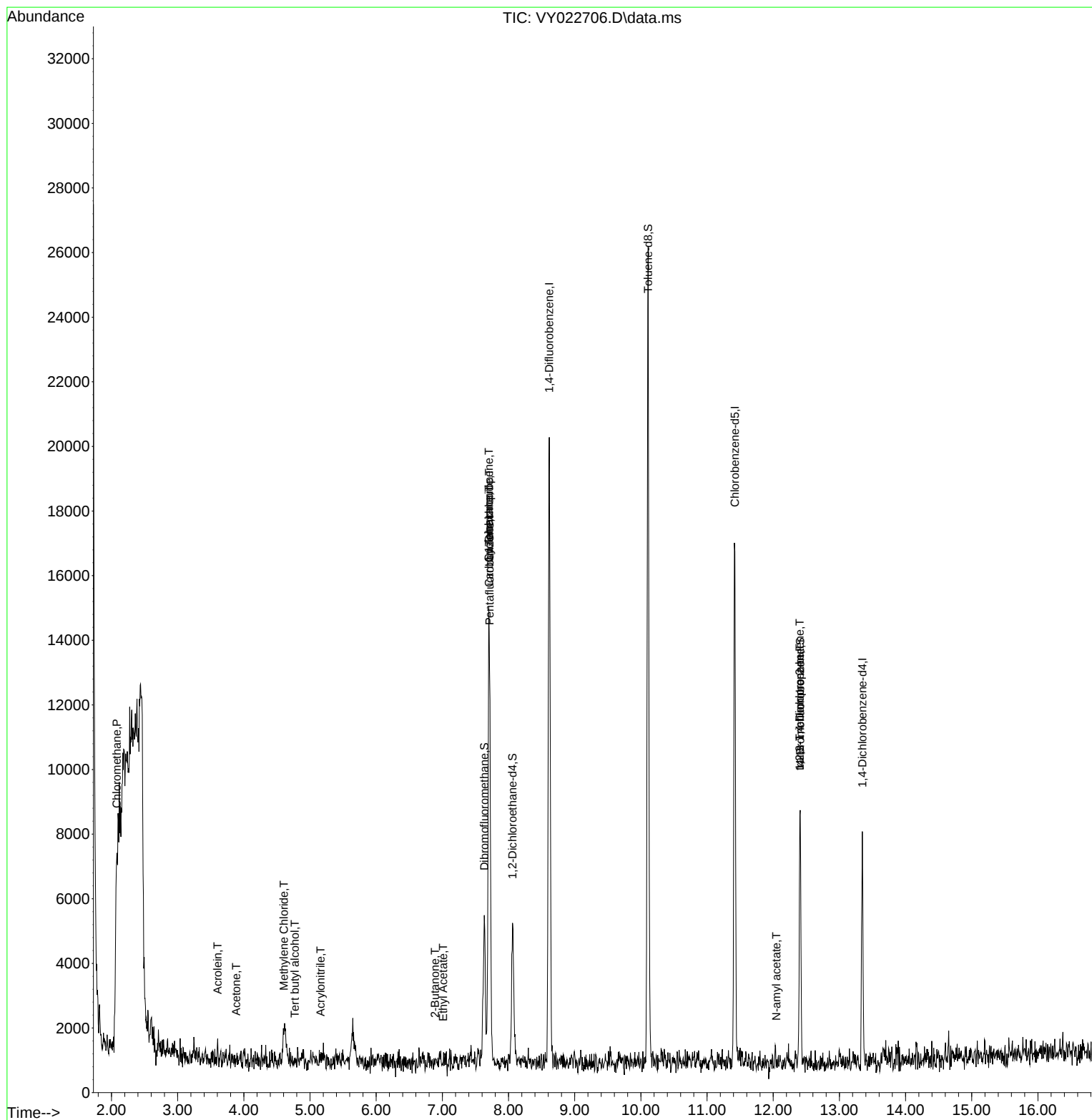
Internal Standards						
1) Pentafluorobenzene	7.713	168	10768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	16222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	8470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	3350	27.816	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	55.640%
35) Dibromofluoromethane	7.634	113	3133	32.357	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	64.720%
50) Toluene-d8	10.109	98	15982	40.850	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	81.700%
62) 4-Bromofluorobenzene	12.408	95	2214	18.993	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	37.980%
Target Compounds						
					Qvalue	
3) Chloromethane	2.080	50	429	1.506	ug/l	89
11) Tert butyl alcohol	4.769	59	24	2.790	ug/l #	73
13) Acrolein	3.604	56	50	4.664	ug/l #	1
15) Acrylonitrile	5.159	53	76	2.841	ug/l #	17
16) Acetone	3.885	43	44	1.799	ug/l #	45
20) Methylene Chloride	4.604	84	779	5.607	ug/l #	58
25) 2-Butanone	6.890	43	68	1.927	ug/l #	46
31) Cyclohexane	7.701	56	330	1.426	ug/l #	57
36) 1,1-Dichloropropene	7.701	75	1011	6.433	ug/l #	42
37) Ethyl Acetate	7.012	43	74	1.056	ug/l #	69
38) Carbon Tetrachloride	7.707	117	1207	7.487	ug/l #	13
74) N-amyl acetate	12.048	43	54	1.456	ug/l #	26
76) 1,2,3-Trichloropropane	12.402	75	1580	77.155	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	1580	186.325	ug/l #	10

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

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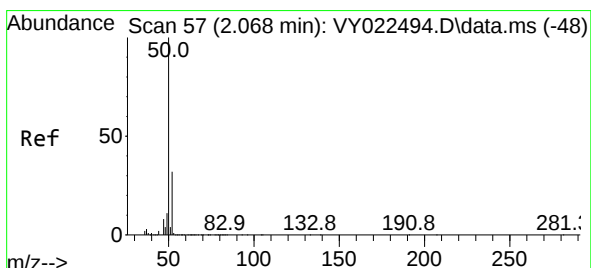
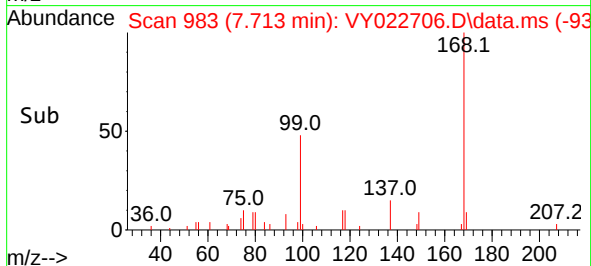
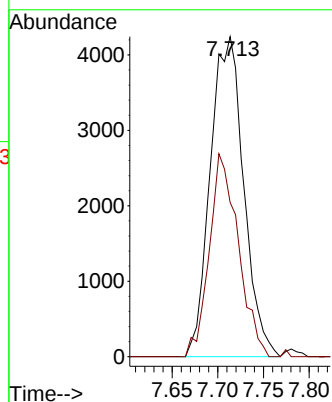
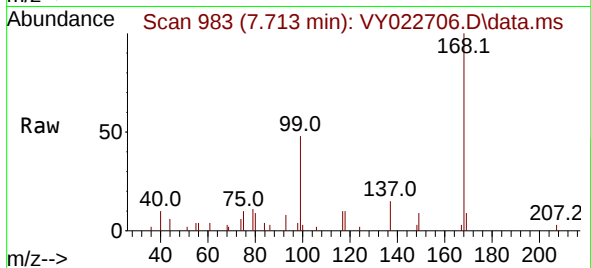




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

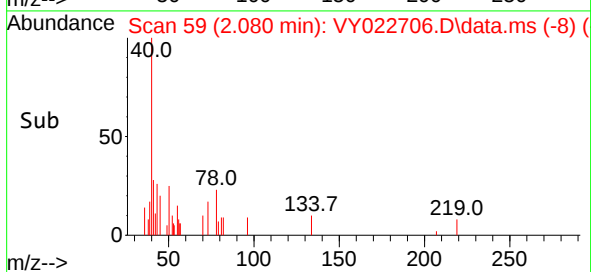
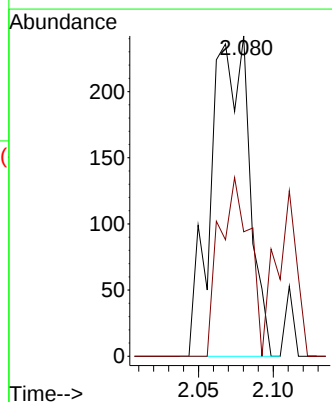
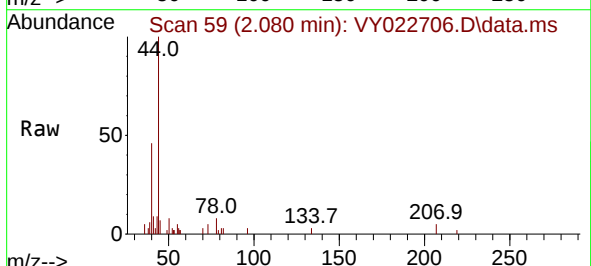
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-06122025RE

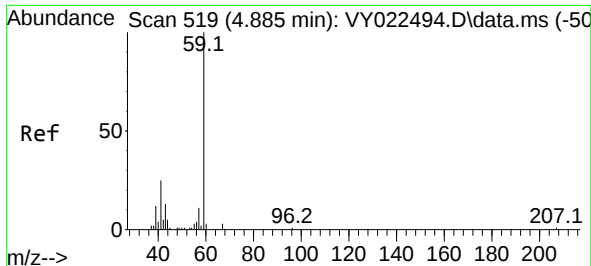
Tgt Ion:168 Resp: 10768
Ion Ratio Lower Upper
168 100
99 48.2 44.3 66.5



#3
Chloromethane
Concen: 1.506 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.012 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

Tgt Ion: 50 Resp: 429
Ion Ratio Lower Upper
50 100
52 38.8 26.0 39.0

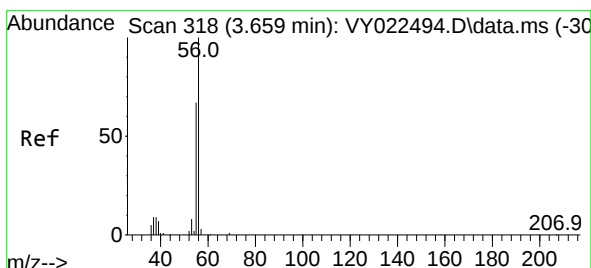
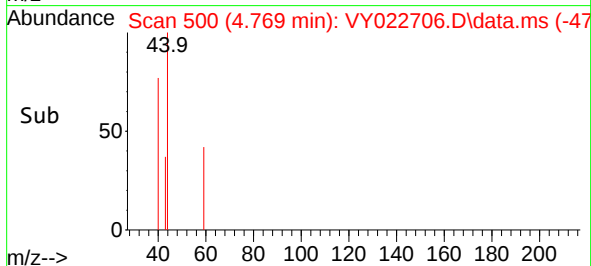
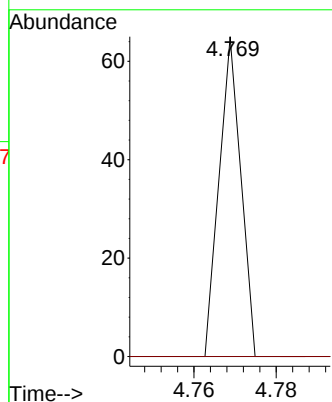
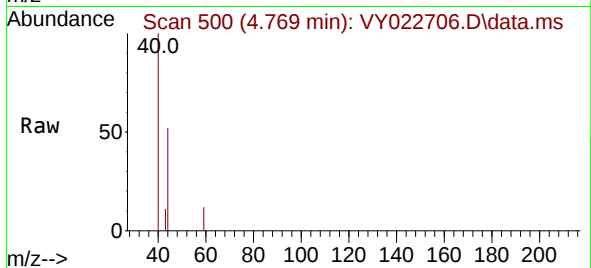




#11
Tert butyl alcohol
Concen: 2.790 ug/l
RT: 4.769 min Scan# 509
Delta R.T. -0.116 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

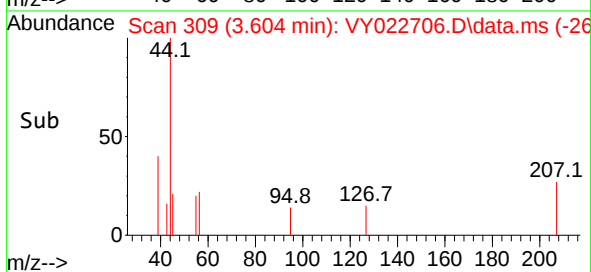
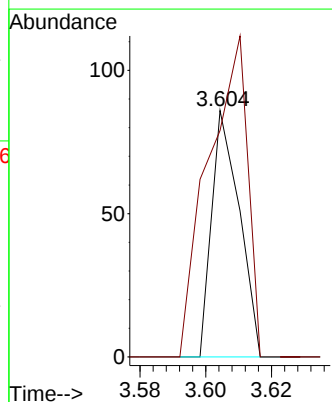
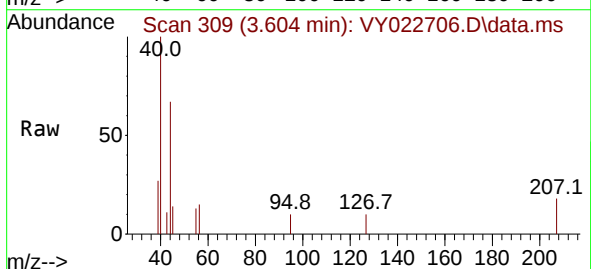
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-06122025RE

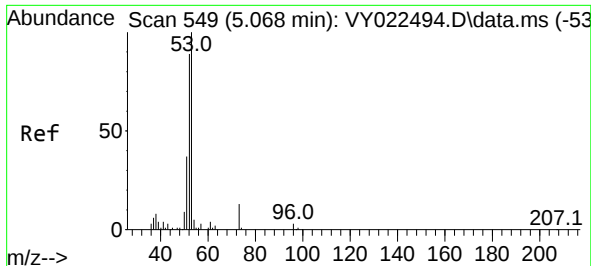
Tgt Ion: 59 Resp: 24
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 4.664 ug/l
RT: 3.604 min Scan# 309
Delta R.T. -0.055 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 186.0 57.0 85.6#

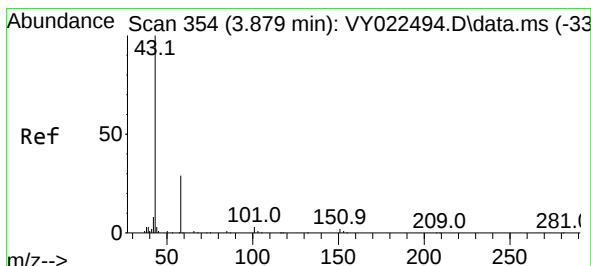
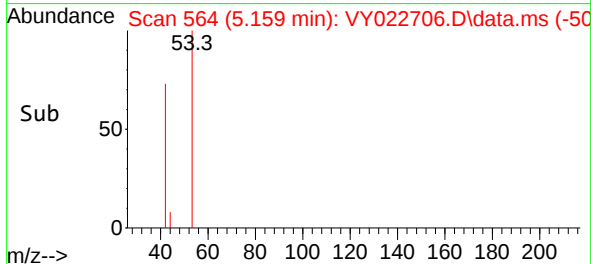
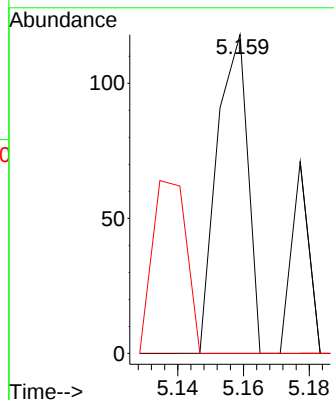
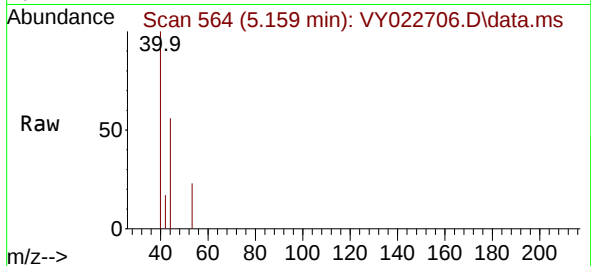




#15
Acrylonitrile
Concen: 2.841 ug/l
RT: 5.159 min Scan# 50
Delta R.T. 0.091 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

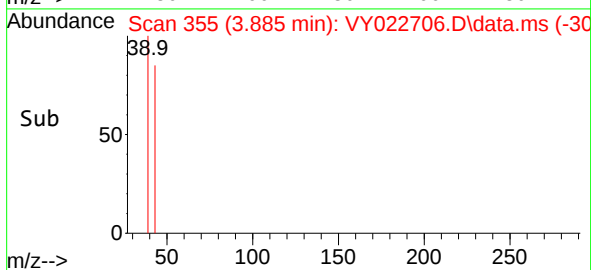
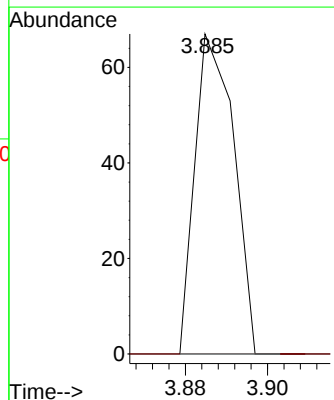
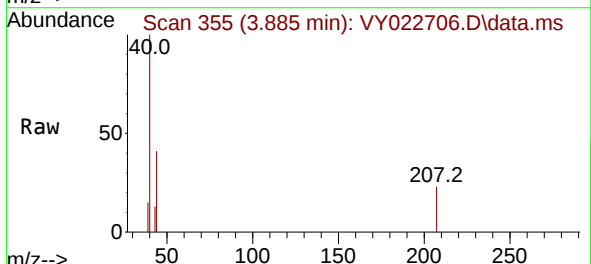
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-06122025RE

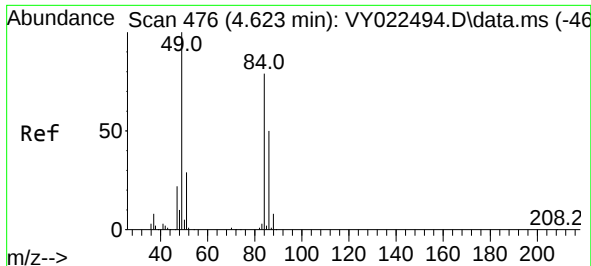
Tgt Ion: 53 Resp: 76
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 0.0 30.1 45.1#



#16
Acetone
Concen: 1.799 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

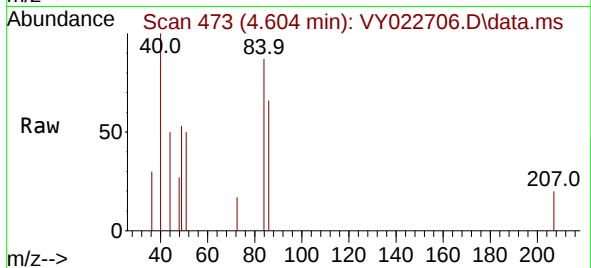
Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#



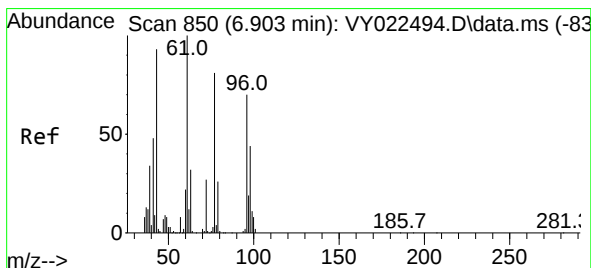
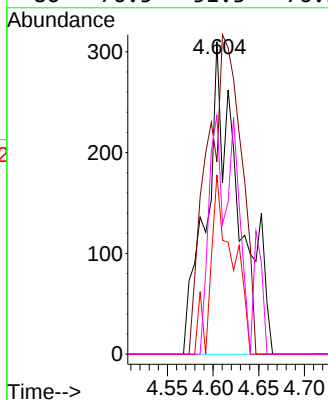
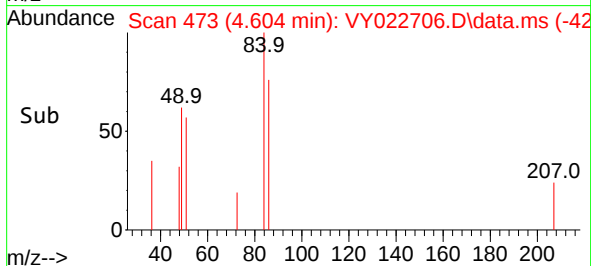


#20
Methylene Chloride
Concen: 5.607 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

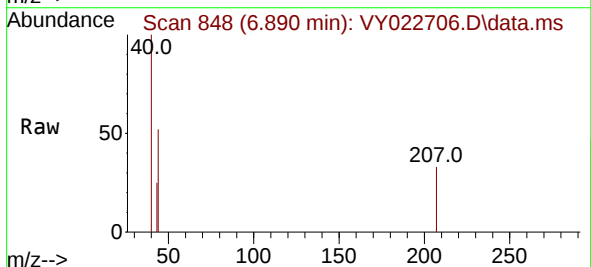
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-06122025RE



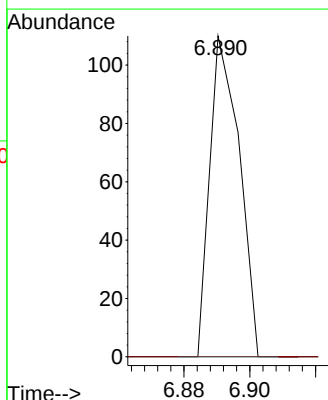
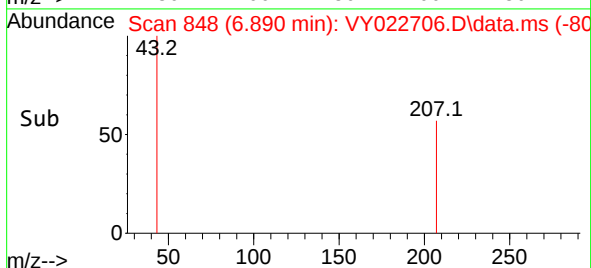
Tgt Ion:	84	Resp:	779
Ion	Ratio	Lower	Upper
84	100		
49	61.6	101.9	152.9#
51	57.4	29.8	44.8#
86	76.5	51.3	76.9

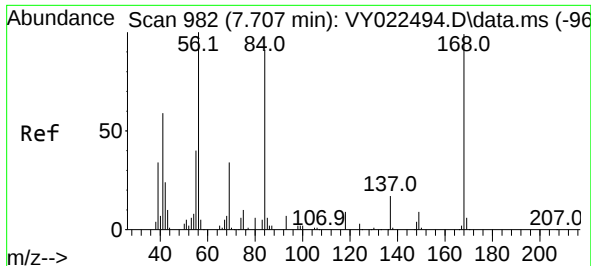


#25
2-Butanone
Concen: 1.927 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59



Tgt Ion:	43	Resp:	68
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.9	34.3#

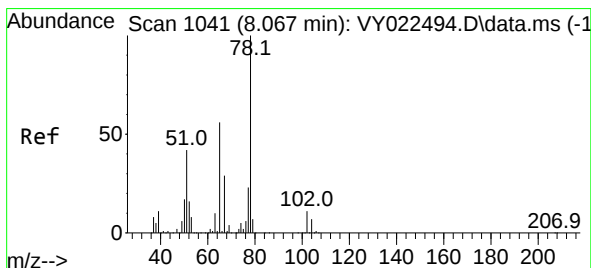
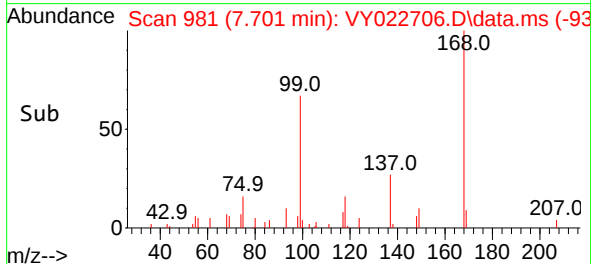
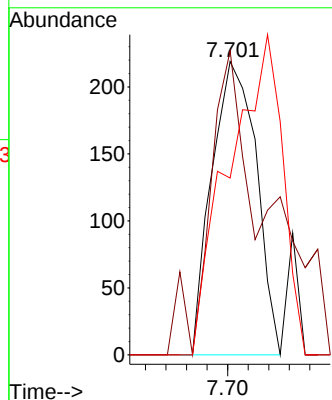
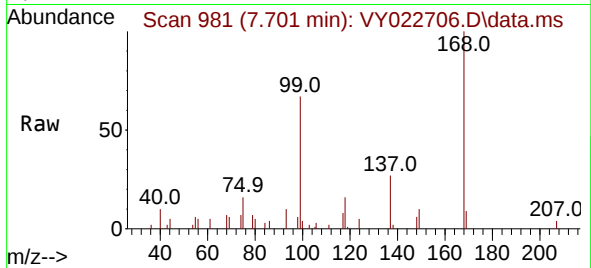




#31
Cyclohexane
Concen: 1.426 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

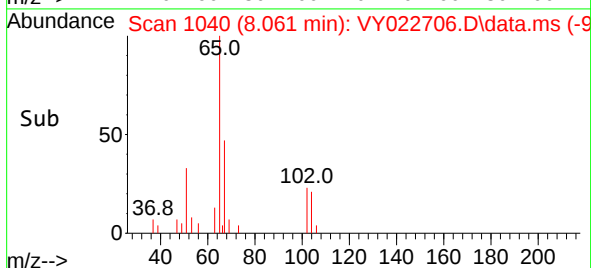
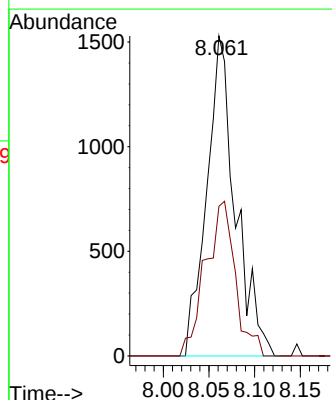
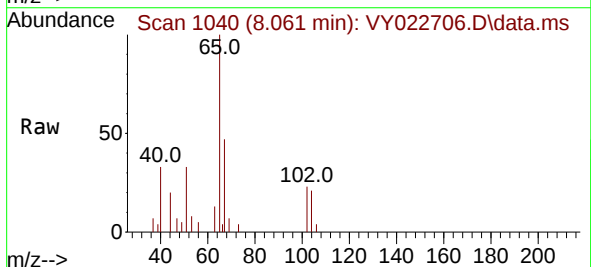
Instrument :
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ClientSampleId :
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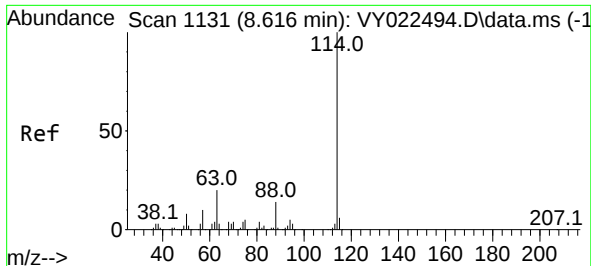
Tgt Ion: 56 Resp: 330
Ion Ratio Lower Upper
56 100
69 75.3 27.0 40.6#
84 60.3 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 27.816 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

Tgt Ion: 65 Resp: 3350
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.4

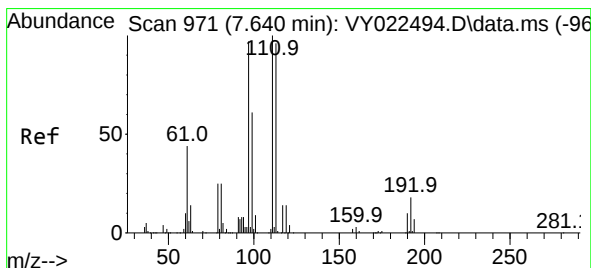
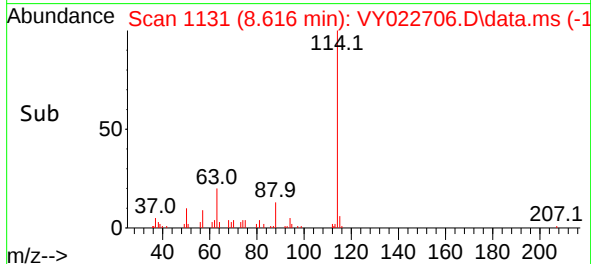
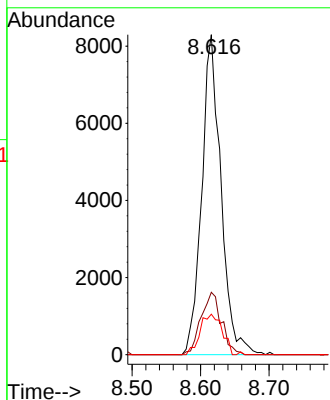
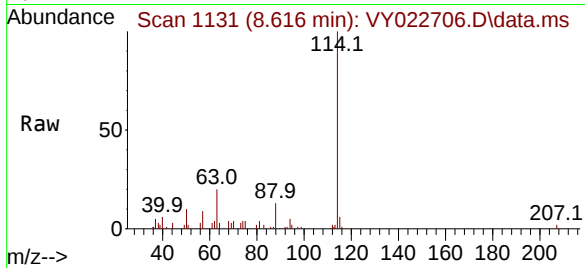




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

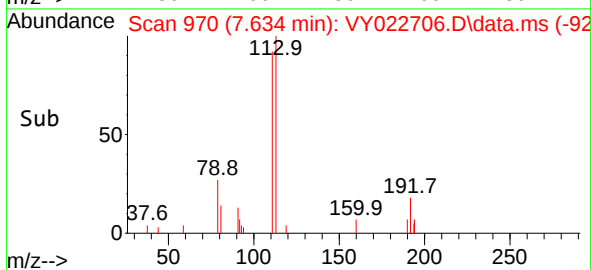
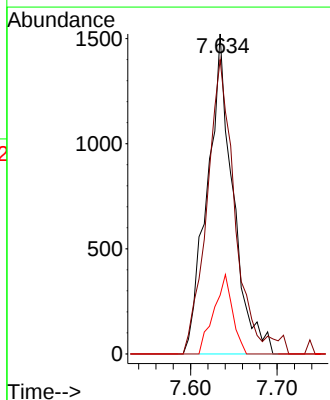
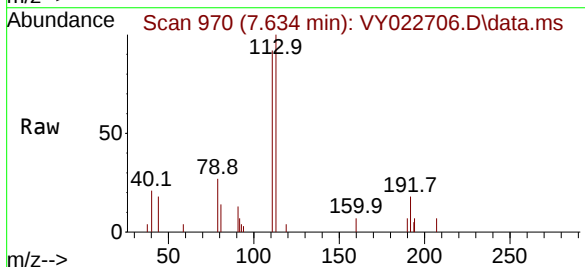
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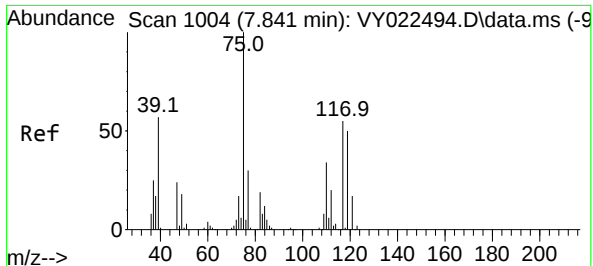
Tgt Ion:	114	Resp:	16222
Ion Ratio	Lower	Upper	
114	100		
63	19.5	0.0	40.8
88	12.7	0.0	27.8



#35
Dibromofluoromethane
Concen: 32.357 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

Tgt Ion:	113	Resp:	3133
Ion Ratio	Lower	Upper	
113	100		
111	97.5	81.1	121.7
192	17.9	14.2	21.2

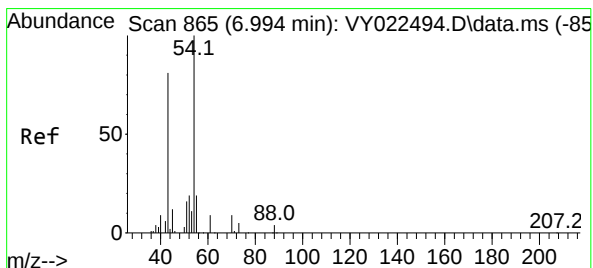
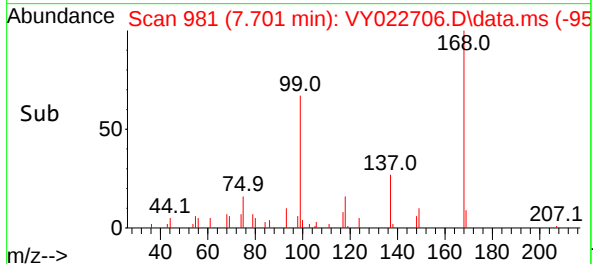
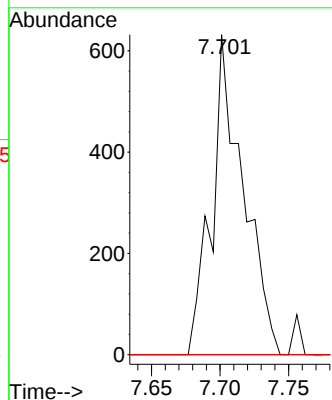
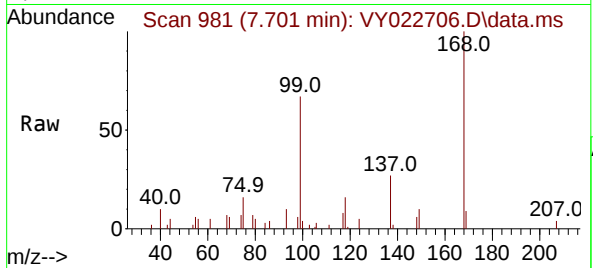




#36
1,1-Dichloropropene
Concen: 6.433 ug/l
RT: 7.701 min Scan# 911
Delta R.T. -0.140 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

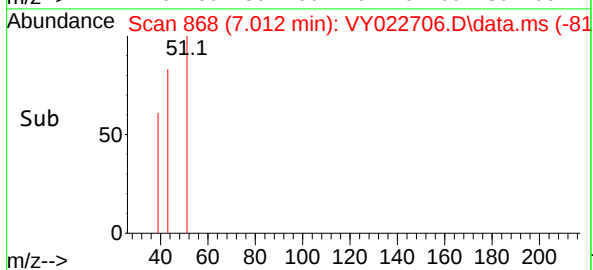
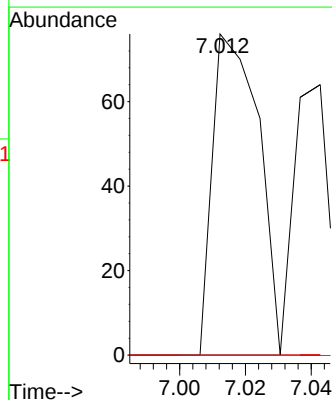
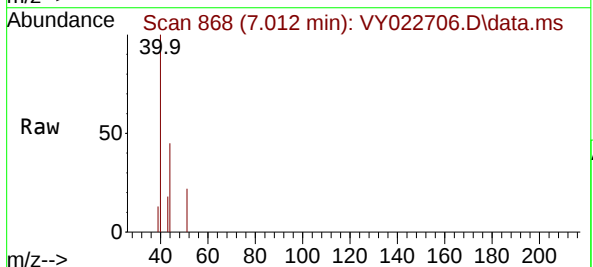
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-06122025RE

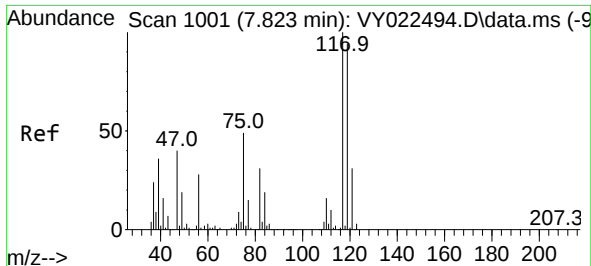
Tgt Ion: 75 Resp: 1011
Ion Ratio Lower Upper
75 100
110 0.0 16.9 50.7#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.056 ug/l
RT: 7.012 min Scan# 868
Delta R.T. 0.018 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.2 10.8#

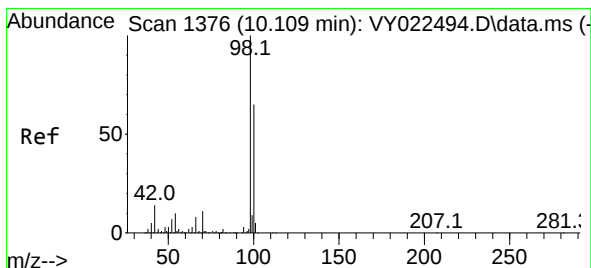
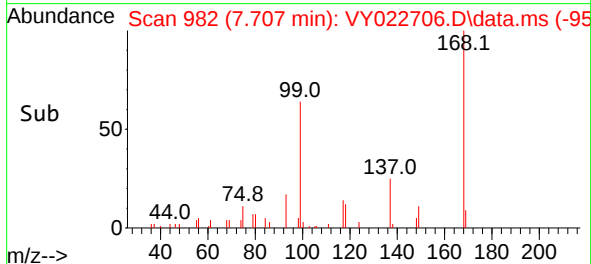
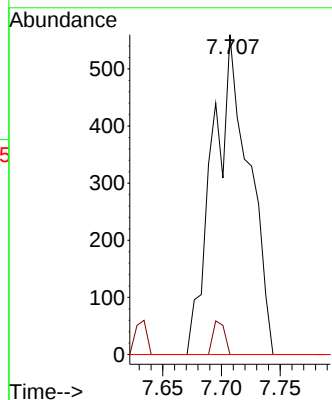
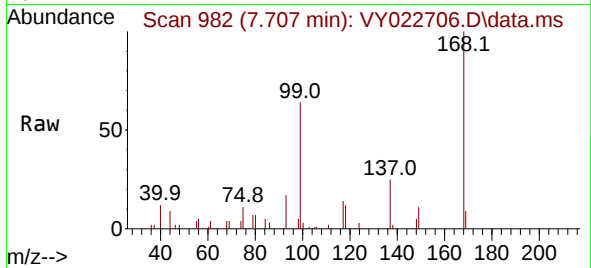




#38
Carbon Tetrachloride
Concen: 7.487 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

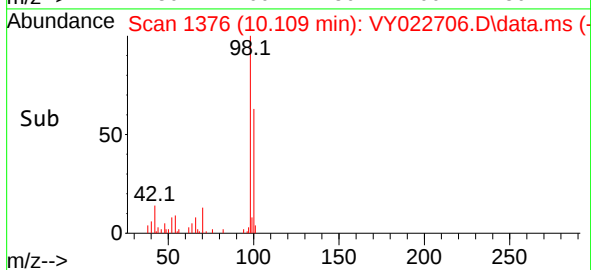
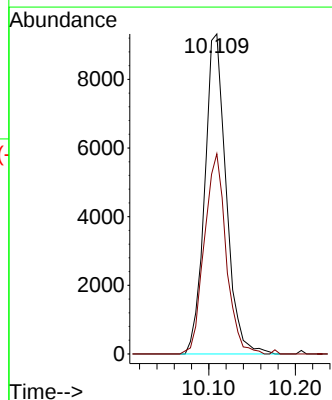
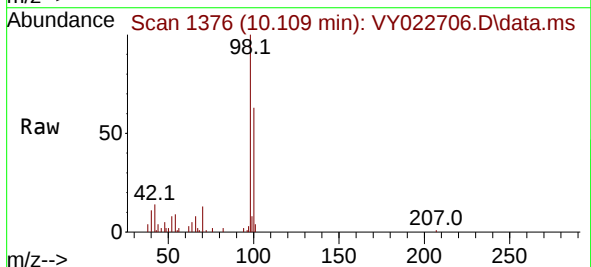
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-06122025RE

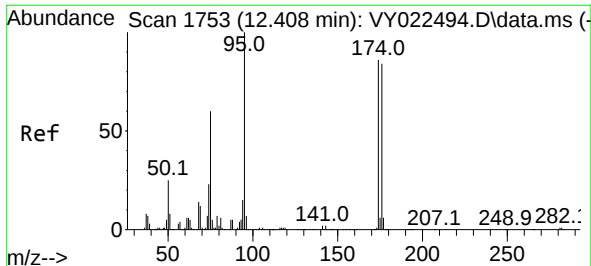
Tgt Ion:117 Resp: 1207
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 40.850 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

Tgt Ion: 98 Resp: 15982
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0

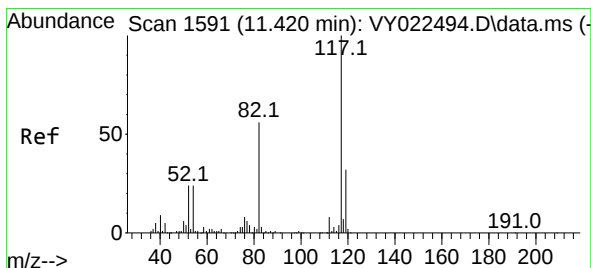
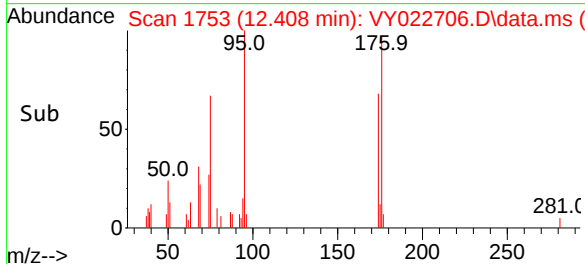
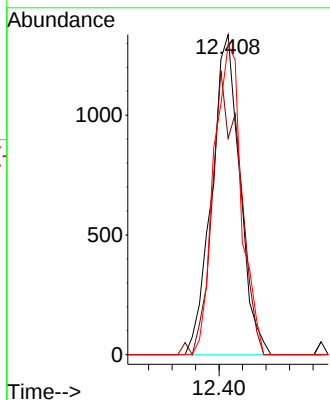
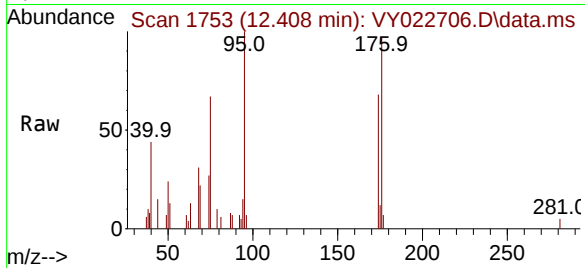




#62
4-Bromofluorobenzene
Concen: 18.993 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

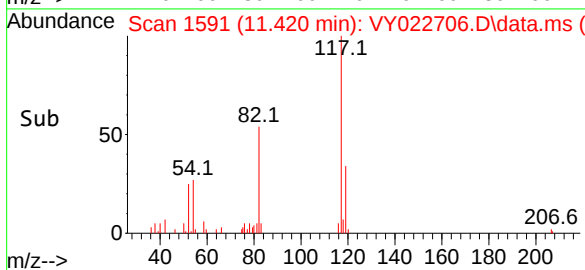
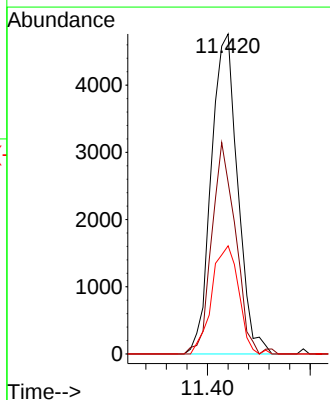
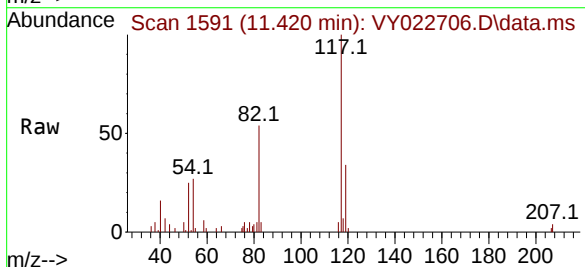
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-06122025RE

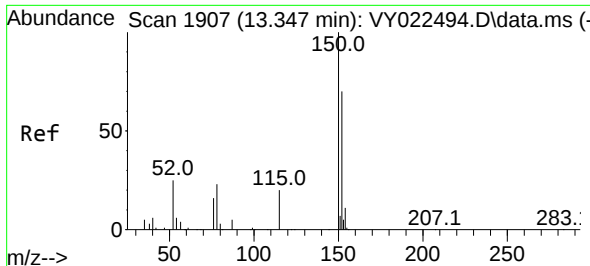
Tgt Ion:	95	Resp:	2214
Ion Ratio	Lower	Upper	
95	100		
174	88.6	0.0	170.0
176	95.0	0.0	166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

Tgt Ion:	117	Resp:	8470
Ion Ratio	Lower	Upper	
117	100		
82	53.7	44.6	66.8
119	33.8	25.4	38.0

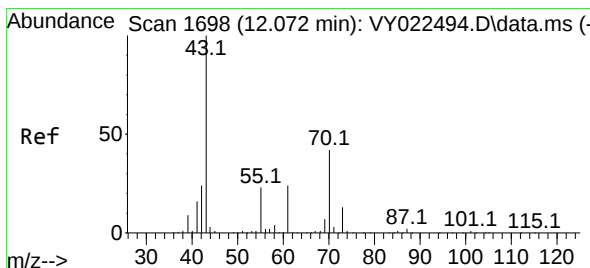
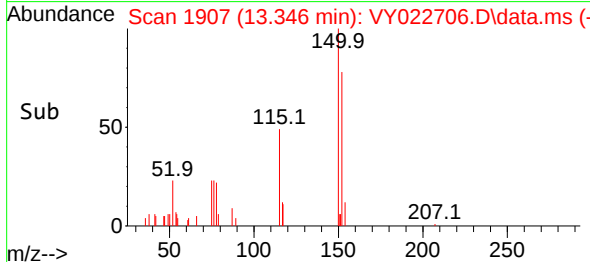
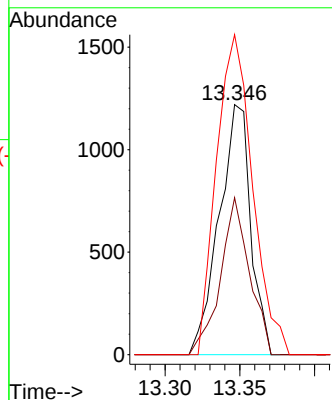
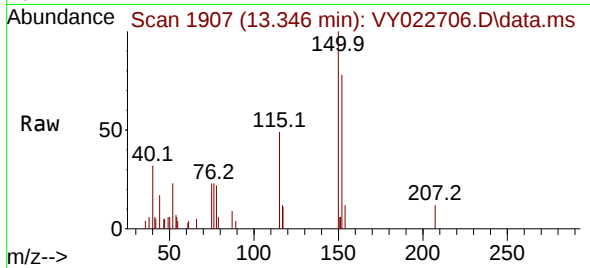




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022706.D
 Acq: 16 Jun 2025 14:59

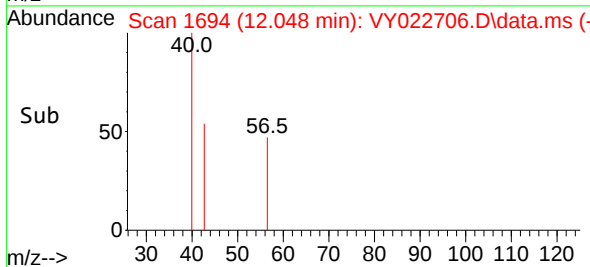
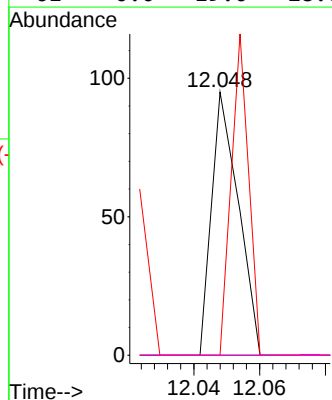
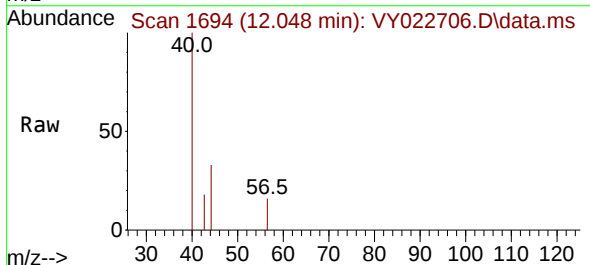
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-06122025RE

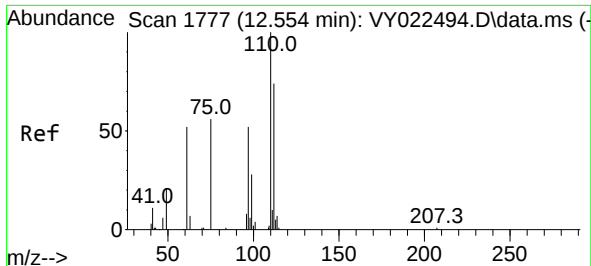
Tgt Ion:152 Resp: 1790
 Ion Ratio Lower Upper
 152 100
 115 57.8 28.9 86.7
 150 146.4 0.0 349.6



#74
 N-ethyl acetate
 Concen: 1.456 ug/l
 RT: 12.048 min Scan# 1694
 Delta R.T. -0.024 min
 Lab File: VY022706.D
 Acq: 16 Jun 2025 14:59

Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.2 51.2#
 55 77.8 18.2 27.4#
 61 0.0 19.0 28.6#

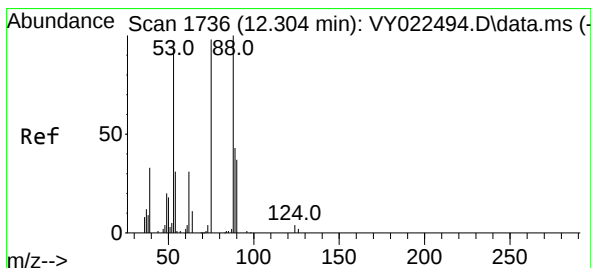
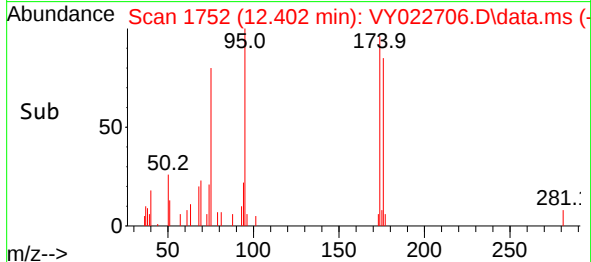
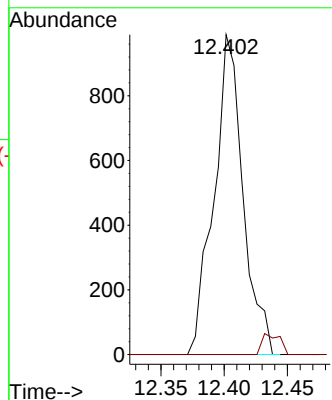
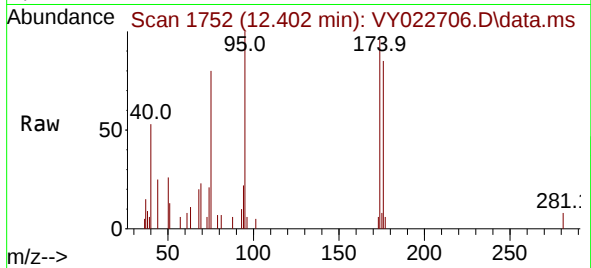




#76
1,2,3-Trichloropropane
Concen: 77.155 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-06122025RE

Tgt Ion: 75 Resp: 1580
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 186.325 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022706.D
Acq: 16 Jun 2025 14:59

Tgt Ion: 75 Resp: 1580
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

