

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021116.D
 Acq On : 06 Feb 2025 17:08
 Operator : SY/MD
 Sample : Q1287-07
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 02:34:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

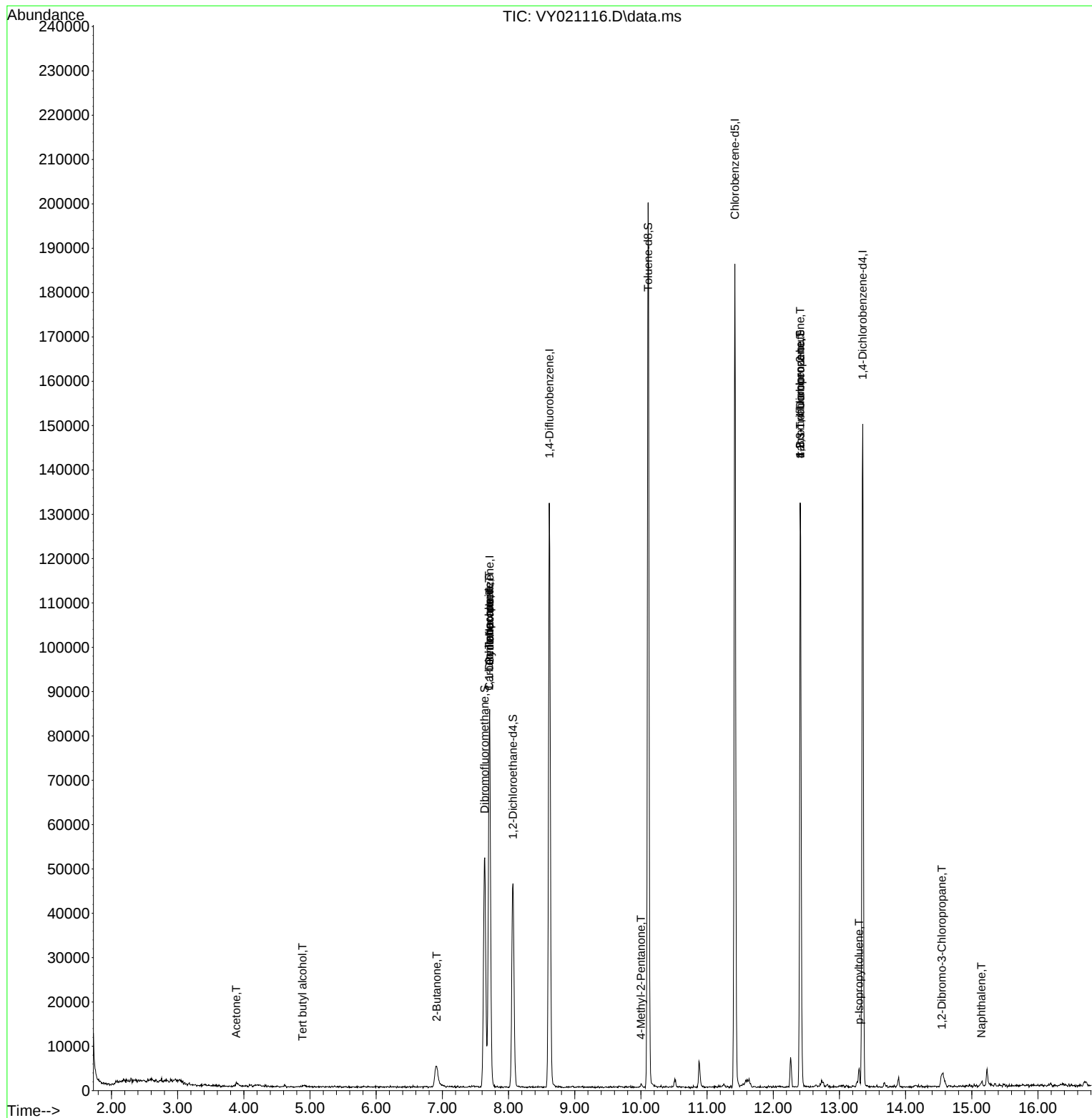
Internal Standards						
1) Pentafluorobenzene	7.713	168	65442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	107635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	95561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	36404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	38518	57.446	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.900%
35) Dibromofluoromethane	7.640	113	36464	52.862	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.720%
50) Toluene-d8	10.109	98	128130	48.791	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.580%
62) 4-Bromofluorobenzene	12.408	95	39488	46.027	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.060%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.885	59	146	3.213	ug/l #	75
16) Acetone	3.885	43	2013	19.251	ug/l	91
25) 2-Butanone	6.915	43	392	2.281	ug/l #	48
31) Cyclohexane	7.713	56	1512	1.322	ug/l #	59
36) 1,1-Dichloropropene	7.707	75	5023	4.916	ug/l #	48
38) Carbon Tetrachloride	7.707	117	6973	5.841	ug/l #	16
51) 4-Methyl-2-Pentanone	9.999	43	741	1.655	ug/l #	74
76) 1,2,3-Trichloropropane	12.408	75	21271	64.413	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	21271	131.433	ug/l #	12
86) p-Isopropyltoluene	13.298	119	2611	1.042	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.547	75	79	1.118	ug/l #	1
95) Naphthalene	15.145	128	1118	1.142	ug/l #	94

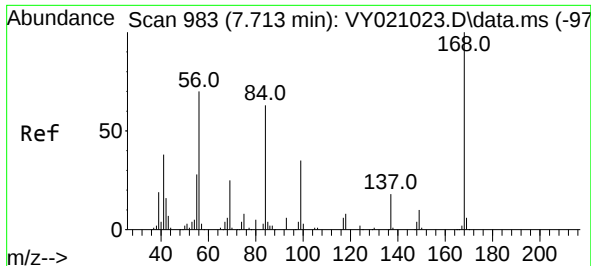
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 07 02:34:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

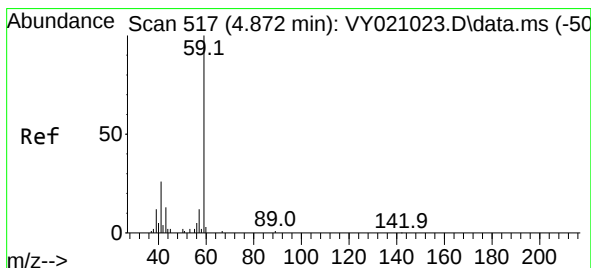
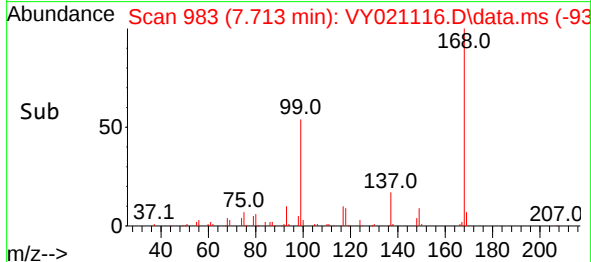
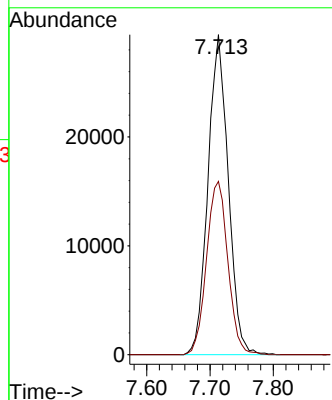
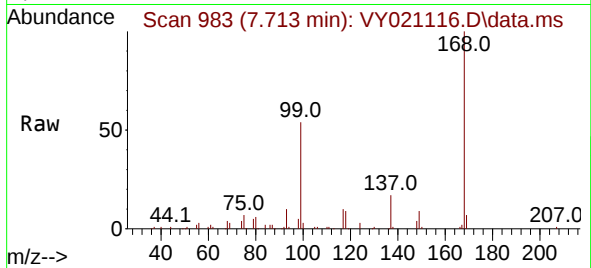




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021116.D
Acq: 06 Feb 2025 17:08

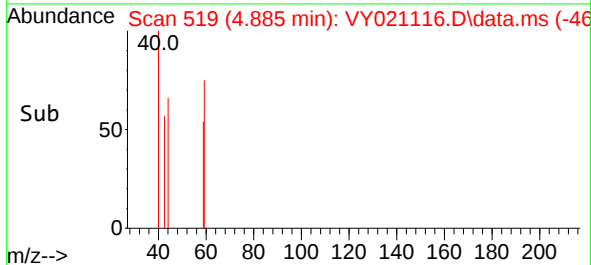
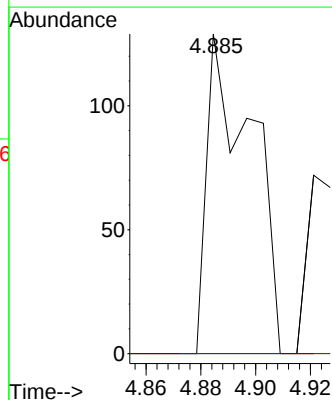
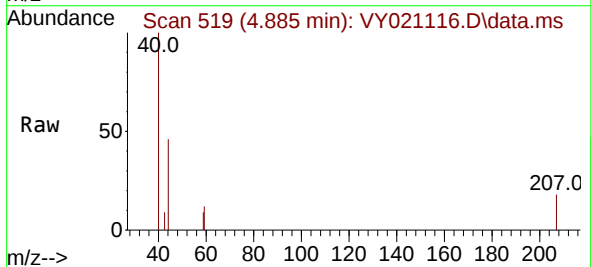
Instrument :
MSVOA_Y
ClientSampleId :

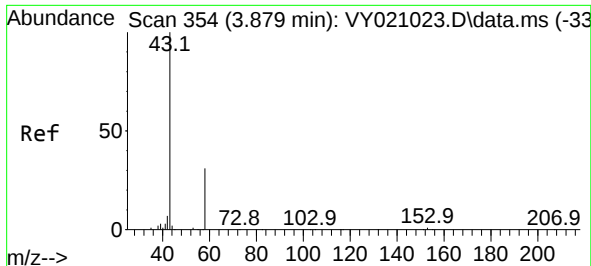
Tgt Ion:168 Resp: 65442
Ion Ratio Lower Upper
168 100
99 54.1 44.2 66.4



#11
Tert butyl alcohol
Concen: 3.213 ug/l
RT: 4.885 min Scan# 519
Delta R.T. 0.012 min
Lab File: VY021116.D
Acq: 06 Feb 2025 17:08

Tgt Ion: 59 Resp: 146
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

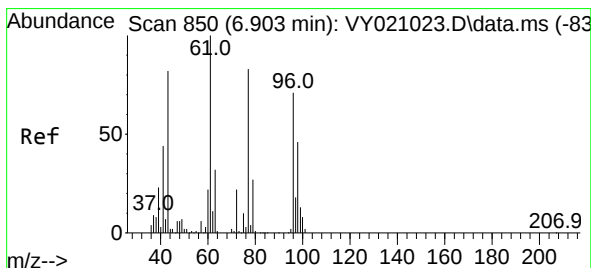
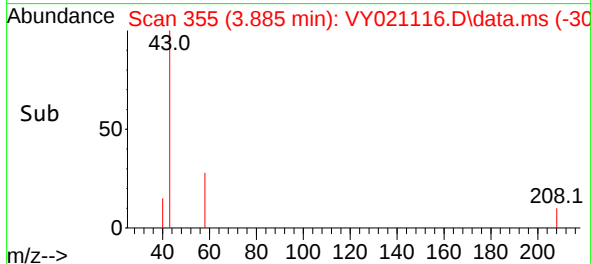
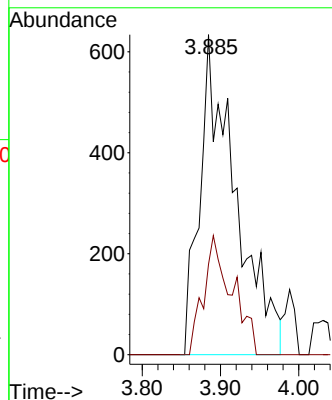
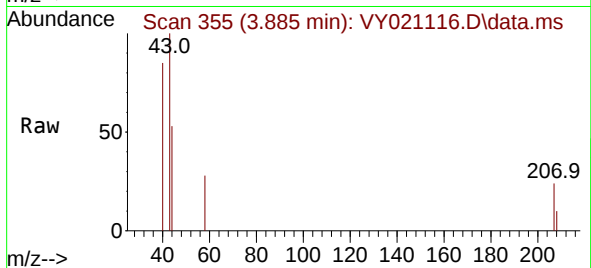




#16
Acetone
Concen: 19.251 ug/l
RT: 3.885 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY021116.D
Acq: 06 Feb 2025 17:08

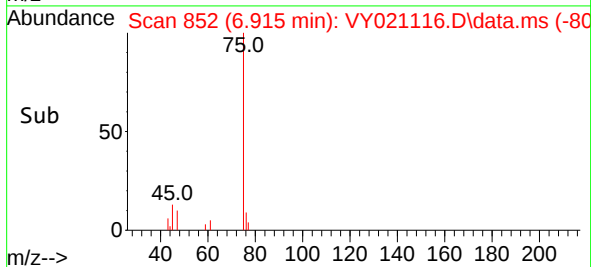
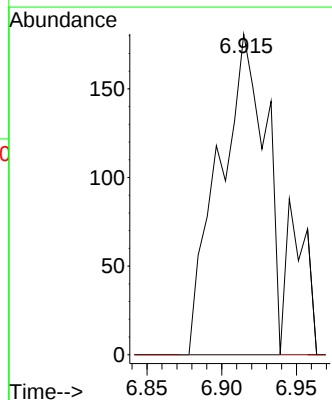
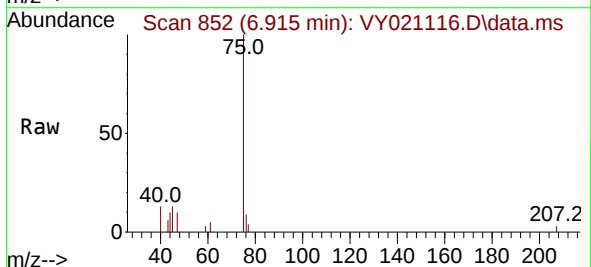
Instrument :
MSVOA_Y
ClientSampleId :

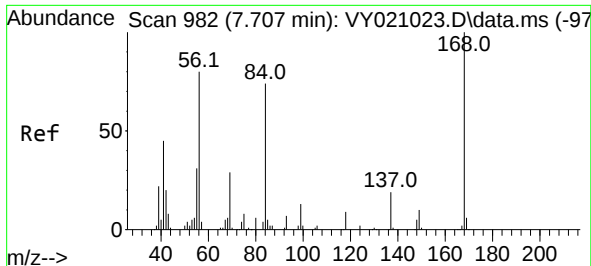
Tgt Ion: 43 Resp: 2013
Ion Ratio Lower Upper
43 100
58 28.2 26.6 39.8



#25
2-Butanone
Concen: 2.281 ug/l
RT: 6.915 min Scan# 852
Delta R.T. 0.012 min
Lab File: VY021116.D
Acq: 06 Feb 2025 17:08

Tgt Ion: 43 Resp: 392
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#

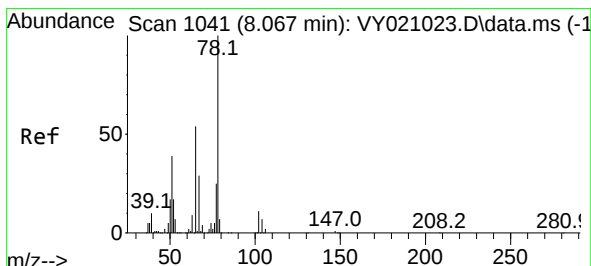
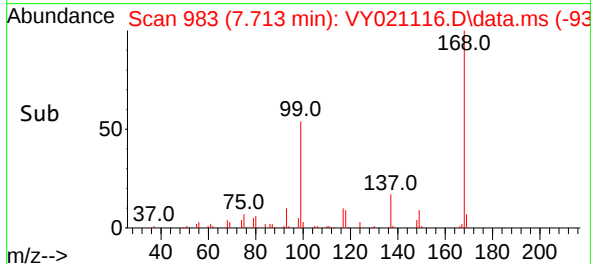
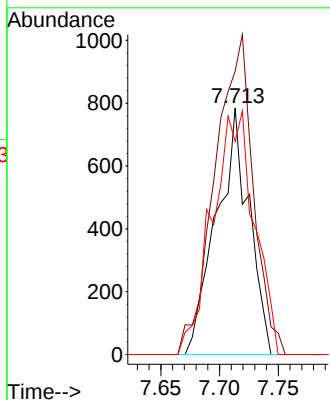
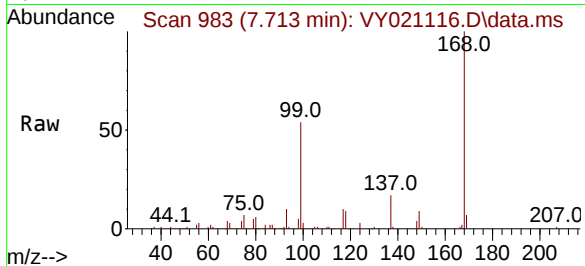




#31
Cyclohexane
Concen: 1.322 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021116.D
Acq: 06 Feb 2025 17:08

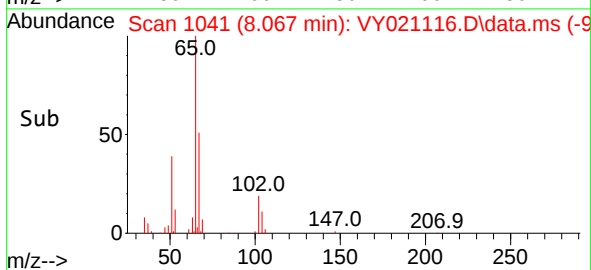
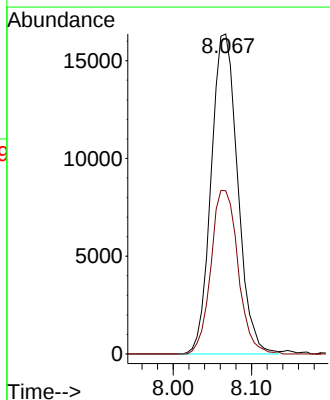
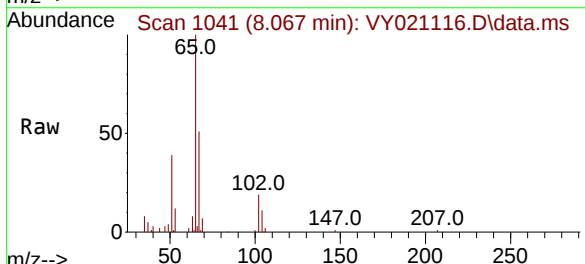
Instrument :
MSVOA_Y
ClientSampleId :

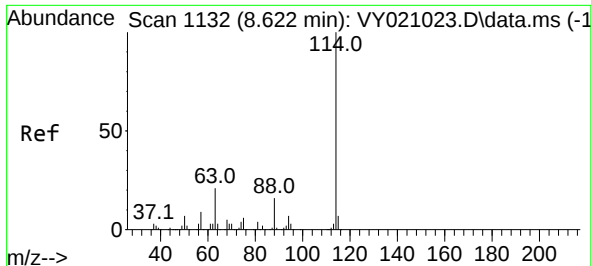
Tgt Ion: 56 Resp: 1512
Ion Ratio Lower Upper
56 100
69 114.9 27.0 40.6#
84 86.4 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 57.446 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021116.D
Acq: 06 Feb 2025 17:08

Tgt Ion: 65 Resp: 38518
Ion Ratio Lower Upper
65 100
67 52.2 0.0 109.0

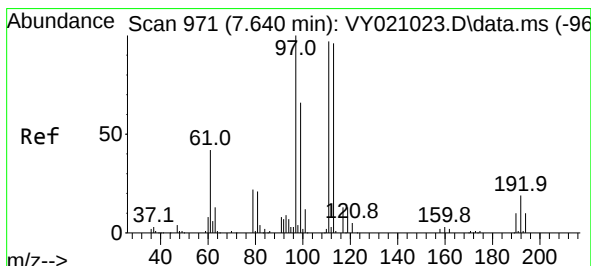
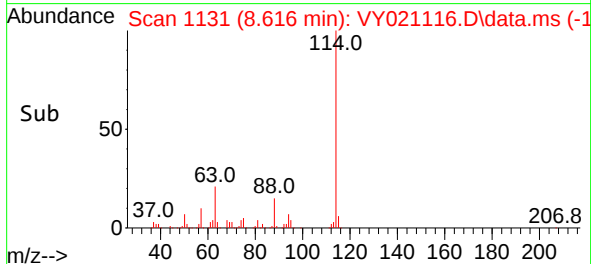
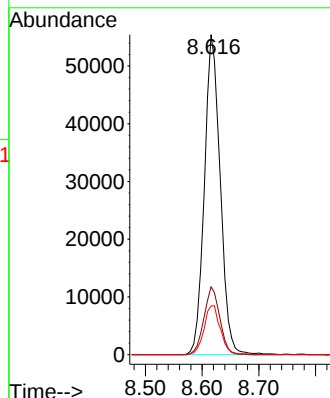
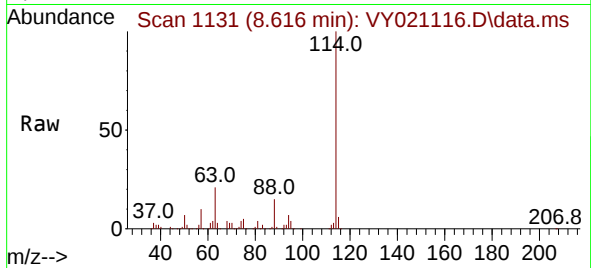




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021116.D
Acq: 06 Feb 2025 17:08

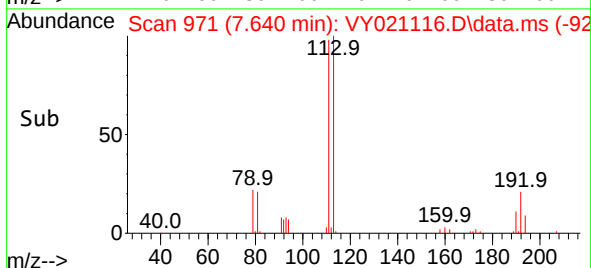
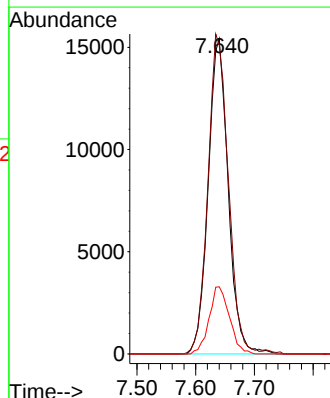
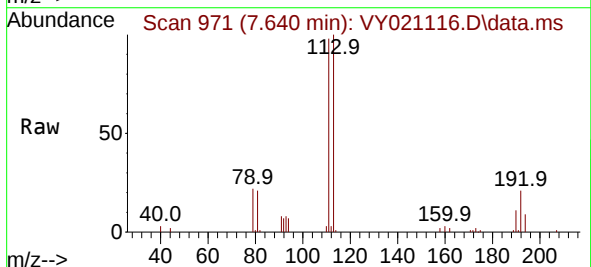
Instrument :
MSVOA_Y
ClientSampleId :

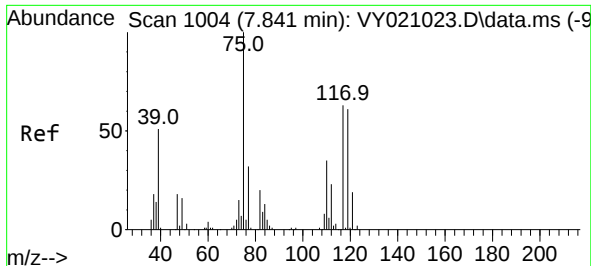
Tgt Ion:114 Resp: 107635
Ion Ratio Lower Upper
114 100
63 21.2 0.0 37.4
88 15.2 0.0 29.0



#35
Dibromofluoromethane
Concen: 52.862 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY021116.D
Acq: 06 Feb 2025 17:08

Tgt Ion:113 Resp: 36464
Ion Ratio Lower Upper
113 100
111 104.2 83.8 125.6
192 21.7 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.916 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

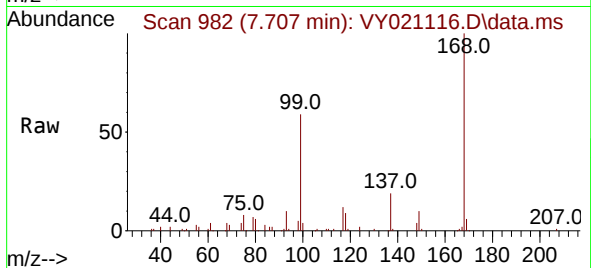
Lab File: VY021116.D

Acq: 06 Feb 2025 17:08

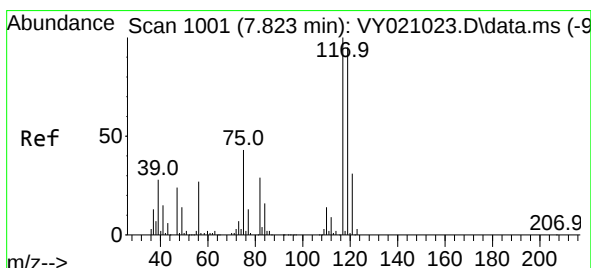
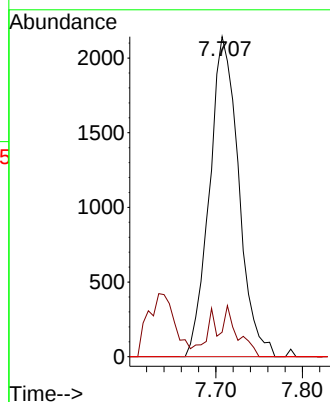
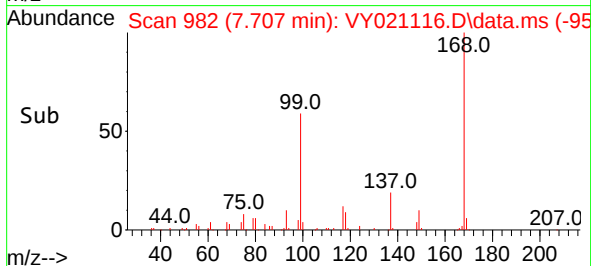
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 5023
Ion Ratio	Lower Upper
75	100
110	6.9 17.4 52.3#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.841 ug/l

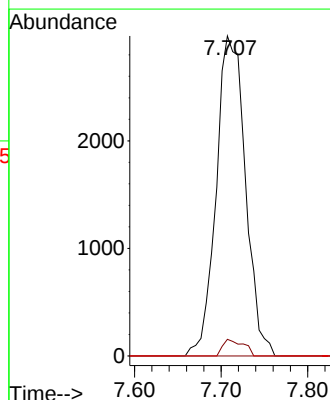
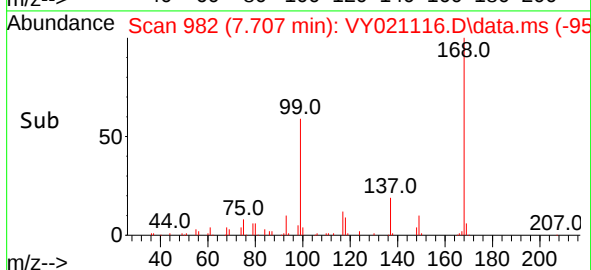
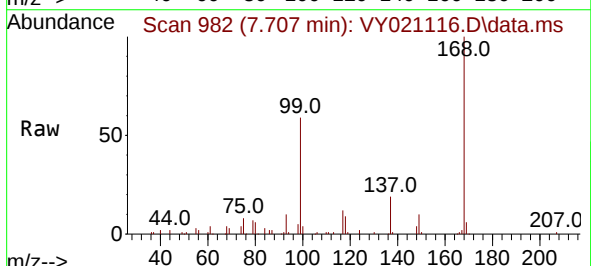
RT: 7.707 min Scan# 982

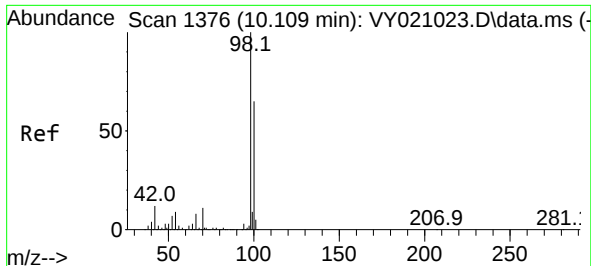
Delta R.T. -0.116 min

Lab File: VY021116.D

Acq: 06 Feb 2025 17:08

Tgt Ion: 117	Resp: 6973
Ion Ratio	Lower Upper
117	100
119	5.2 76.0 114.0#
121	0.0 24.2 36.2#

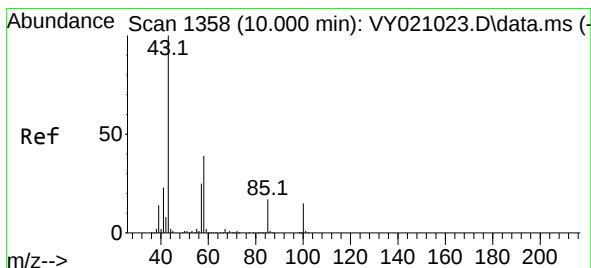
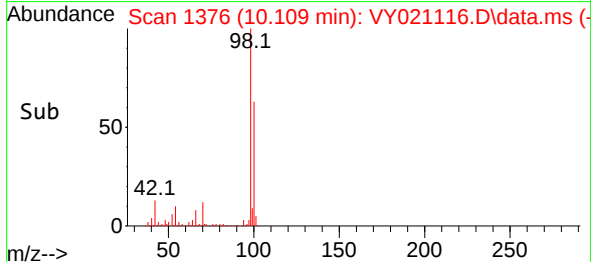
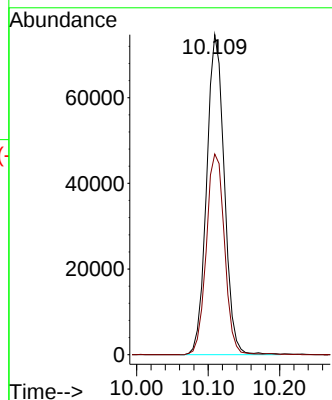
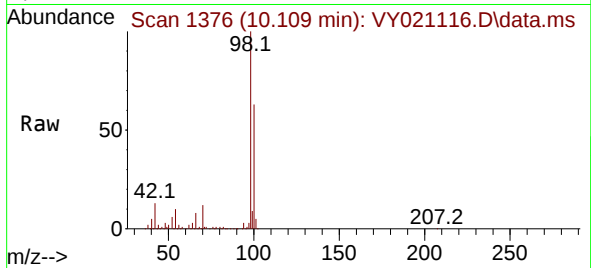




#50
Toluene-d8
Concen: 48.791 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021116.D
Acq: 06 Feb 2025 17:08

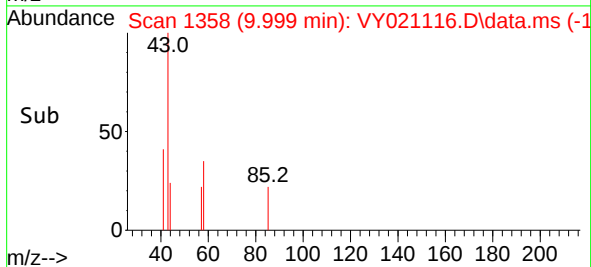
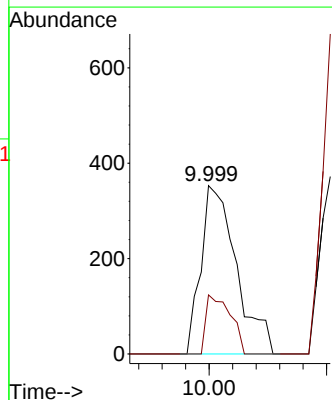
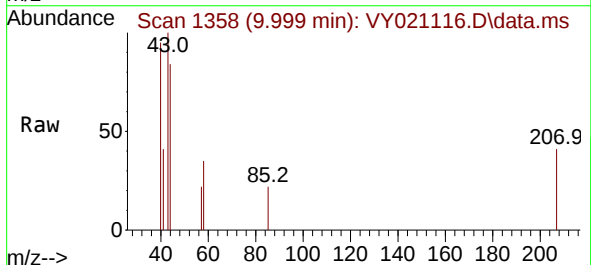
Instrument :
MSVOA_Y
ClientSampleId :

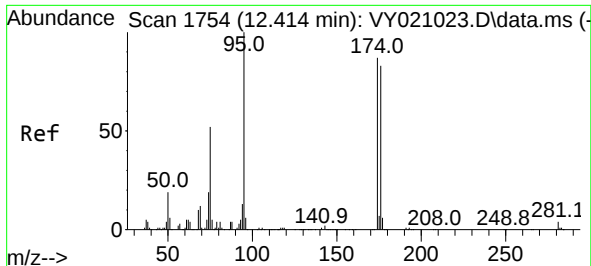
Tgt Ion: 98 Resp: 128130
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.655 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021116.D
Acq: 06 Feb 2025 17:08

Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
58 24.3 32.2 48.2#





#62

4-Bromofluorobenzene

Concen: 46.027 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY021116.D

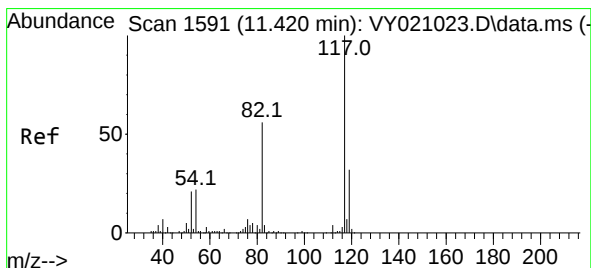
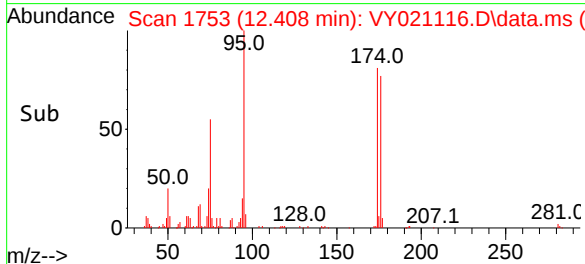
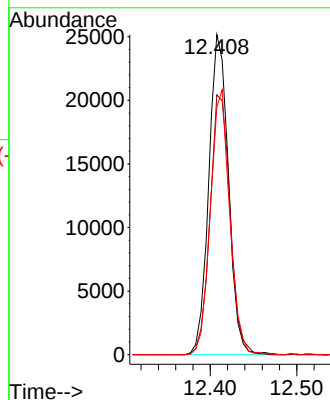
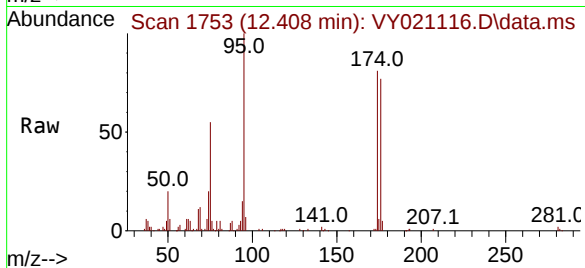
Acq: 06 Feb 2025 17:08

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	95	Resp:	39488
Ion Ratio	Lower	Upper	
95	100		
174	83.3	0.0	160.0
176	81.7	0.0	151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

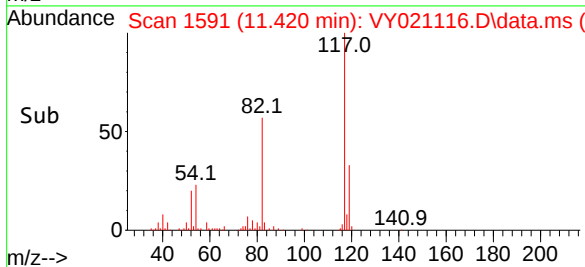
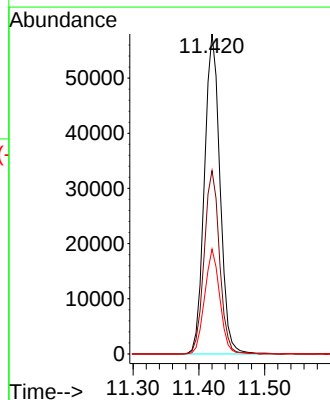
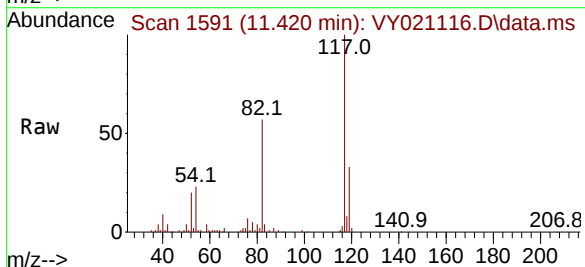
RT: 11.420 min Scan# 1591

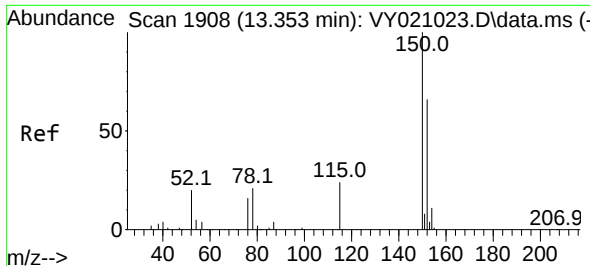
Delta R.T. -0.000 min

Lab File: VY021116.D

Acq: 06 Feb 2025 17:08

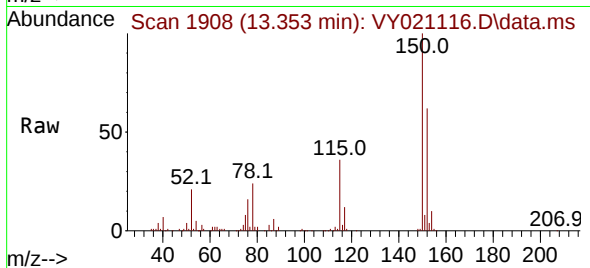
Tgt Ion:	117	Resp:	95561
Ion Ratio	Lower	Upper	
117	100		
82	57.3	43.8	65.8
119	32.7	26.5	39.7



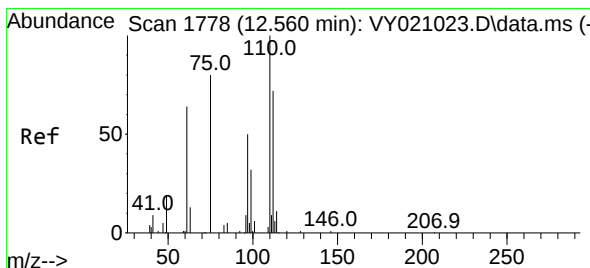
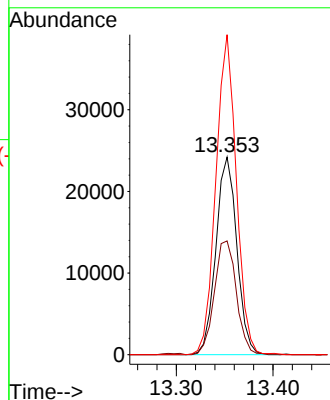
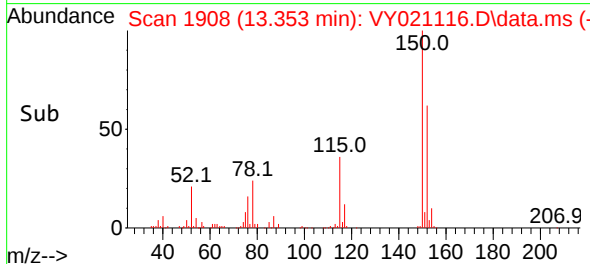


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY021116.D
 Acq: 06 Feb 2025 17:08

Instrument :
 MSVOA_Y
 ClientSampleId :

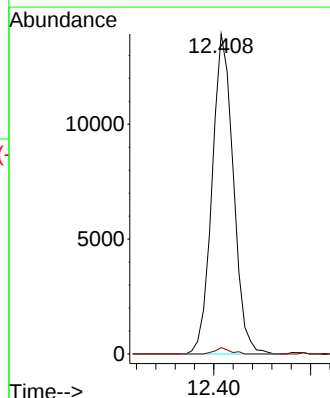
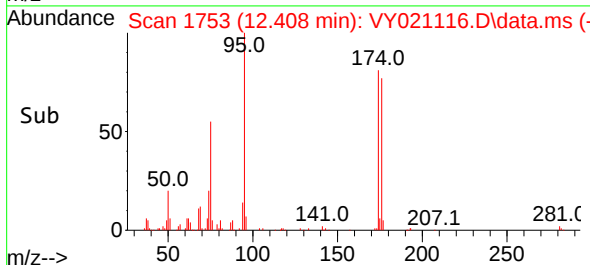
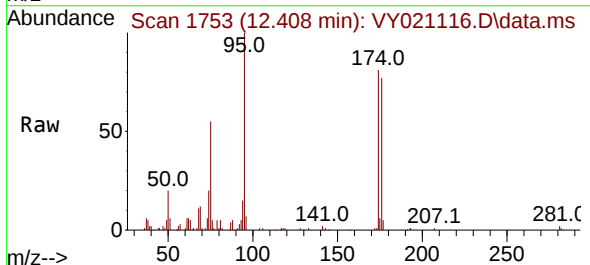


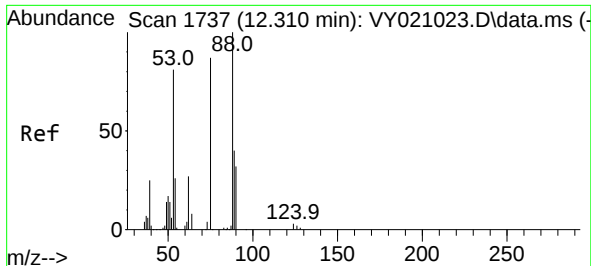
Tgt Ion:152 Resp: 36404
 Ion Ratio Lower Upper
 152 100
 115 60.5 30.0 90.0
 150 157.9 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 64.413 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.153 min
 Lab File: VY021116.D
 Acq: 06 Feb 2025 17:08

Tgt Ion: 75 Resp: 21271
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

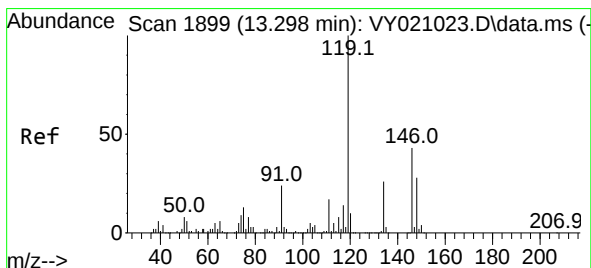
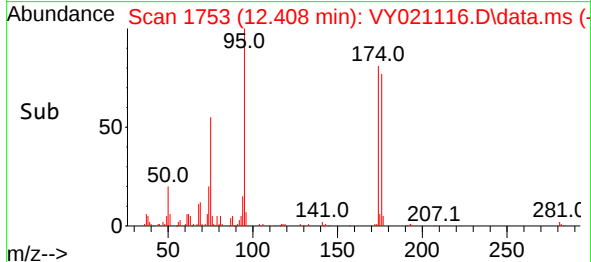
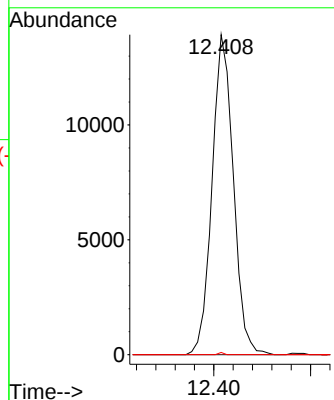
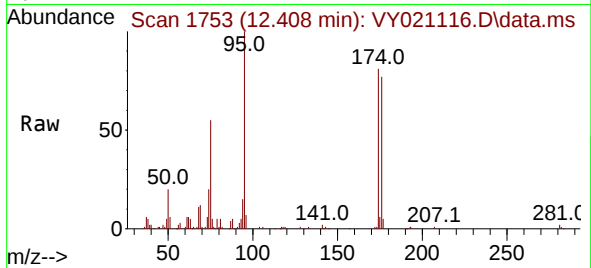




#81
trans-1,4-Dichloro-2-butene
Concen: 131.433 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY021116.D
Acq: 06 Feb 2025 17:08

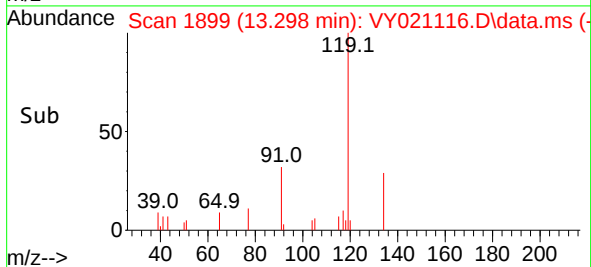
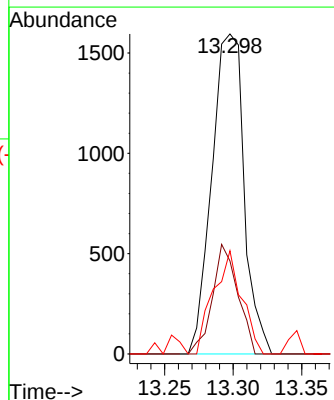
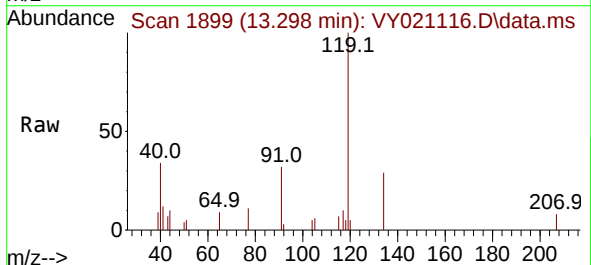
Instrument :
MSVOA_Y
ClientSampleId :

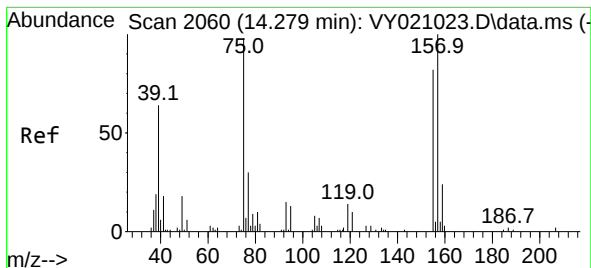
Tgt Ion: 75 Resp: 21271
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.2 36.5 54.7#



#86
p-Isopropyltoluene
Concen: 1.042 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021116.D
Acq: 06 Feb 2025 17:08

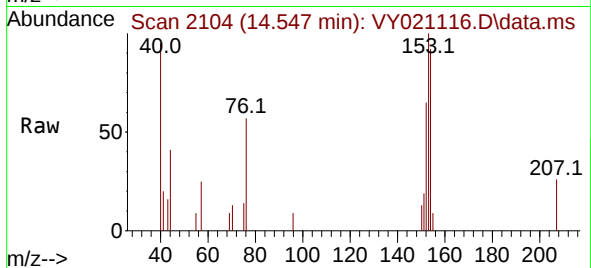
Tgt Ion: 119 Resp: 2611
Ion Ratio Lower Upper
119 100
134 26.9 13.1 39.1
91 28.4 11.7 35.0



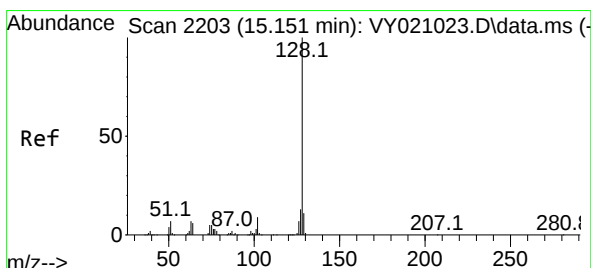
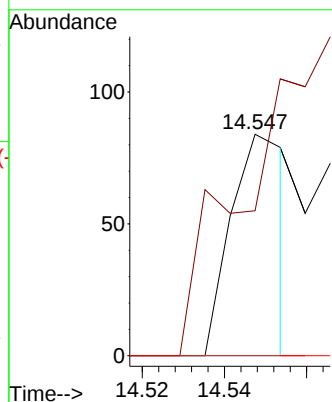
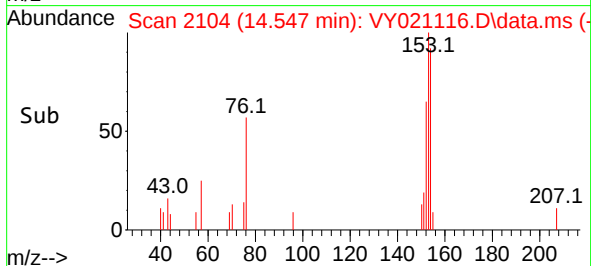


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.118 ug/l
RT: 14.547 min Scan# 2104
Delta R.T. 0.268 min
Lab File: VY021116.D
Acq: 06 Feb 2025 17:08

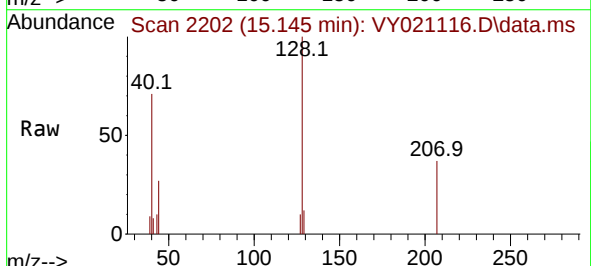
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 79
Ion Ratio Lower Upper
75 100
155 0.0 42.1 126.3#
157 0.0 55.8 167.4#



#95
Naphthalene
Concen: 1.142 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021116.D
Acq: 06 Feb 2025 17:08



Tgt Ion: 128 Resp: 1118
Ion Ratio Lower Upper
128 100
127 8.5 10.2 15.4#
129 10.3 8.6 12.8

