

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021125\
 Data File : VY021171.D
 Acq On : 11 Feb 2025 15:38
 Operator : SY/MD
 Sample : Q1345-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOILB
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 12 01:03:16 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)

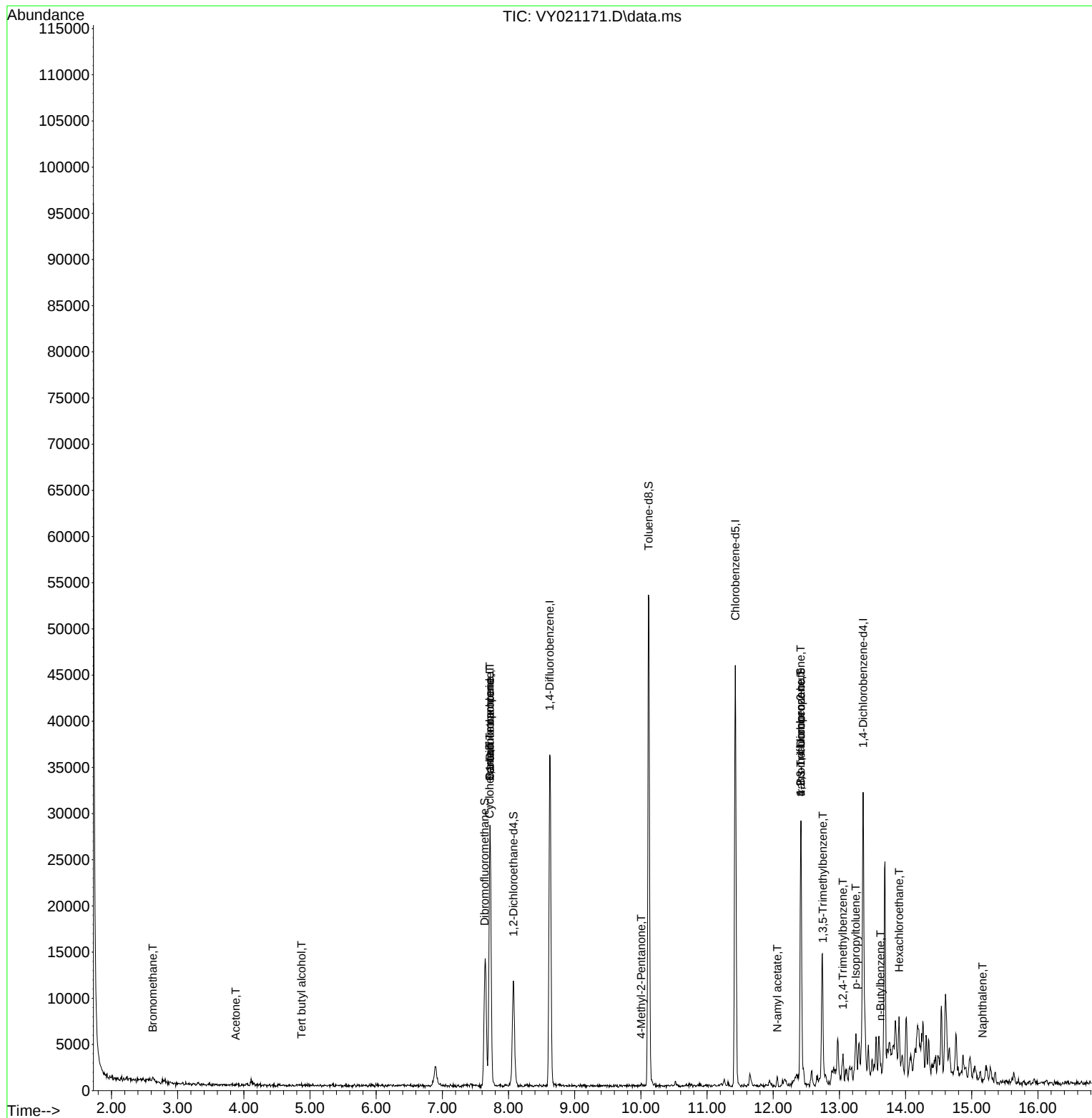
Internal Standards						
1) Pentafluorobenzene	7.719	168	20897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	31399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	24093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	7136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	9451	44.142	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.280%
35) Dibromofluoromethane	7.640	113	10328	51.325	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.660%
50) Toluene-d8	10.115	98	36103	47.127	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.260%
62) 4-Bromofluorobenzene	12.414	95	8303	33.176	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	66.360%
Target Compounds						
					Qvalue	
5) Bromomethane	2.623	94	125	1.093	ug/l	94
11) Tert butyl alcohol	4.872	59	80	5.514	ug/l #	75
16) Acetone	3.879	43	271	8.116	ug/l #	41
31) Cyclohexane	7.713	56	486	1.331	ug/l #	38
36) 1,1-Dichloropropene	7.719	75	1704	5.717	ug/l #	49
38) Carbon Tetrachloride	7.719	117	2301	6.607	ug/l #	17
51) 4-Methyl-2-Pentanone	10.006	43	176	1.347	ug/l #	54
74) N-amyl acetate	12.060	43	195	1.600	ug/l #	40
76) 1,2,3-Trichloropropane	12.414	75	4783	73.889	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.749	105	1128	2.496	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.414	75	4783	150.769	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.054	105	1283	2.903	ug/l	92
86) p-Isopropyltoluene	13.249	119	763	1.553	ug/l	91
89) n-Butylbenzene	13.621	91	626	1.397	ug/l #	76
90) Hexachloroethane	13.901	117	256	2.498	ug/l #	17
95) Naphthalene	15.163	128	204	1.063	ug/l #	69

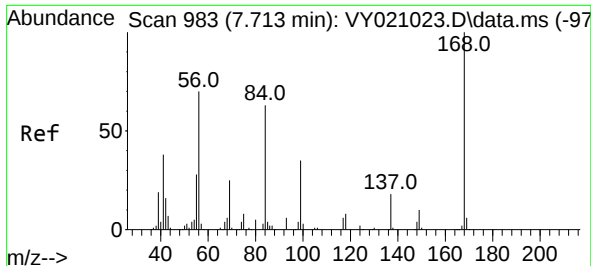
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
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Quant Time: Feb 12 01:03:16 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

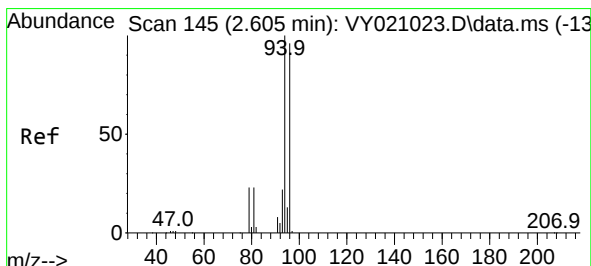
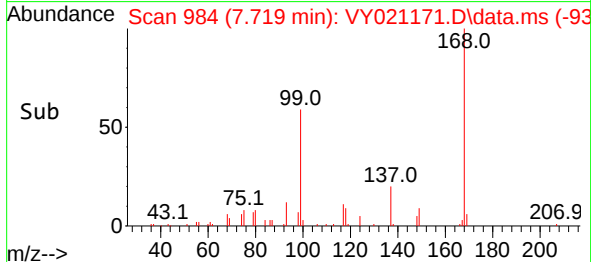
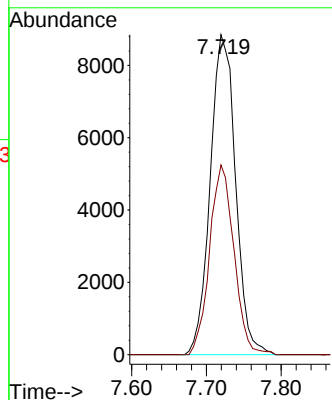
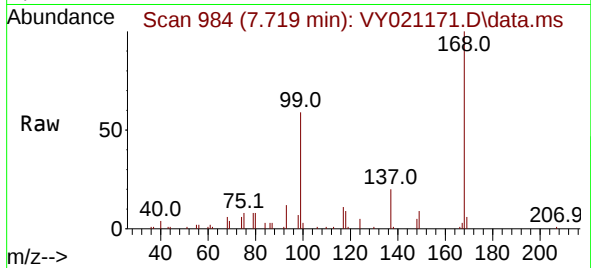




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

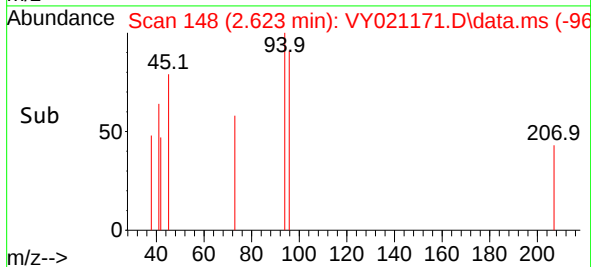
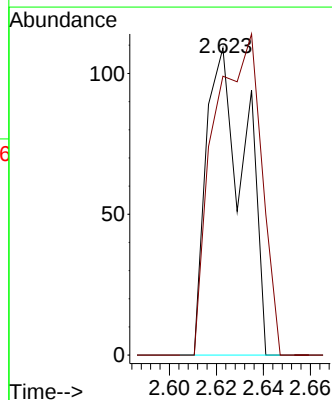
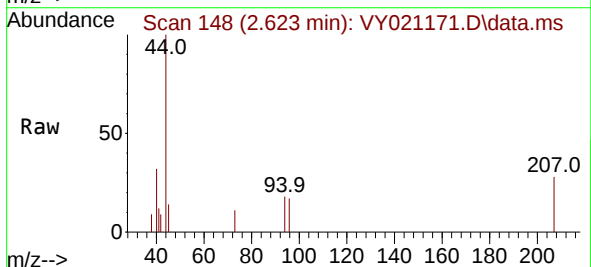
Instrument :
MSVOA_Y
ClientSampleId :

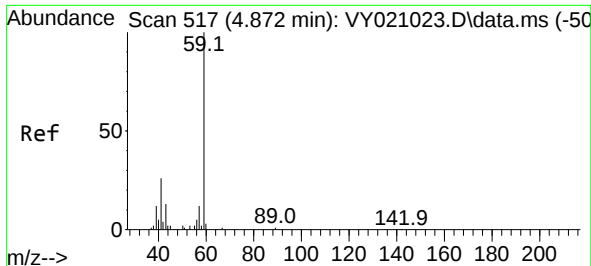
Tgt Ion:168 Resp: 20897
Ion Ratio Lower Upper
168 100
99 59.2 44.2 66.4



#5
Bromomethane
Concen: 1.093 ug/l
RT: 2.623 min Scan# 148
Delta R.T. 0.018 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

Tgt Ion: 94 Resp: 125
Ion Ratio Lower Upper
94 100
96 90.8 77.3 115.9





#11

Tert butyl alcohol

Concen: 5.514 ug/l

RT: 4.872 min Scan# 517

Delta R.T. -0.000 min

Lab File: VY021171.D

Acq: 11 Feb 2025 15:38

Instrument :

MSVOA_Y

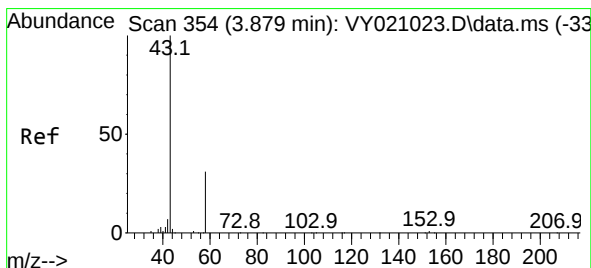
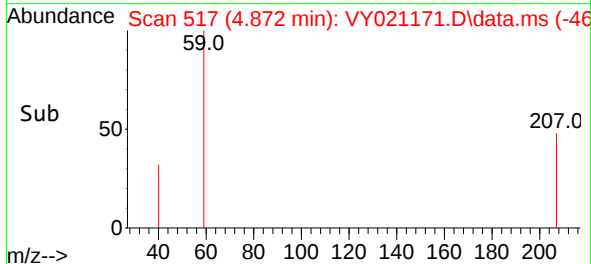
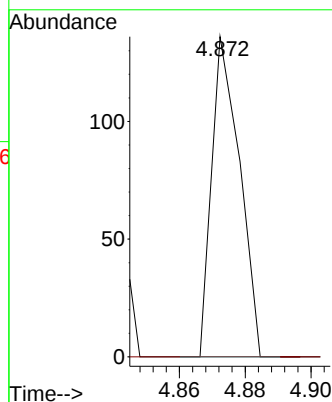
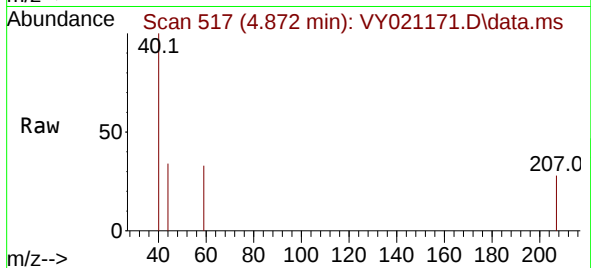
ClientSampleId :

Tgt Ion: 59 Resp: 80

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#



#16

Acetone

Concen: 8.116 ug/l

RT: 3.879 min Scan# 354

Delta R.T. -0.000 min

Lab File: VY021171.D

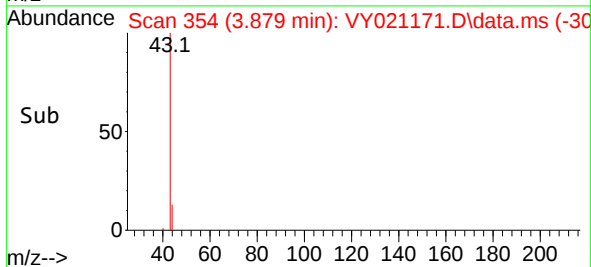
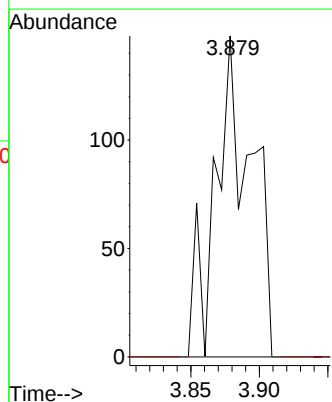
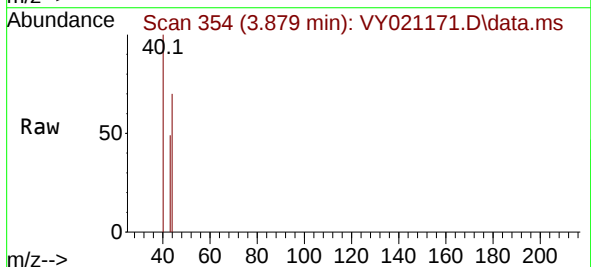
Acq: 11 Feb 2025 15:38

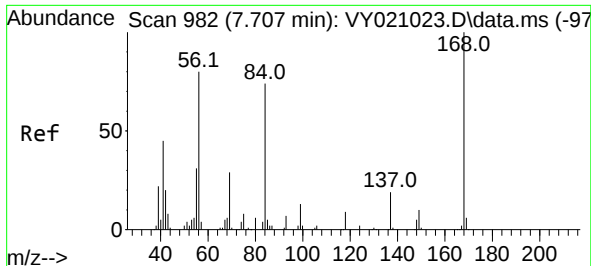
Tgt Ion: 43 Resp: 271

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#

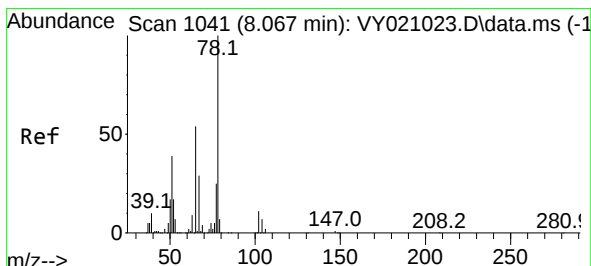
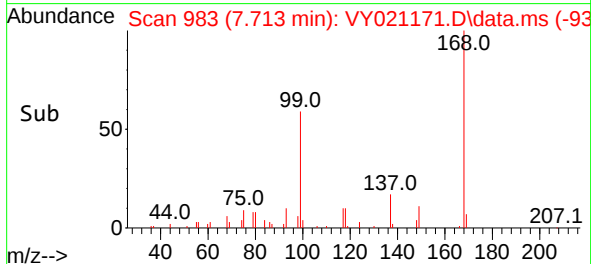
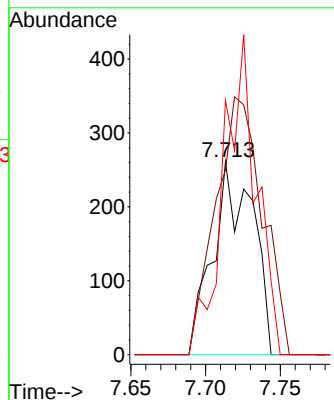
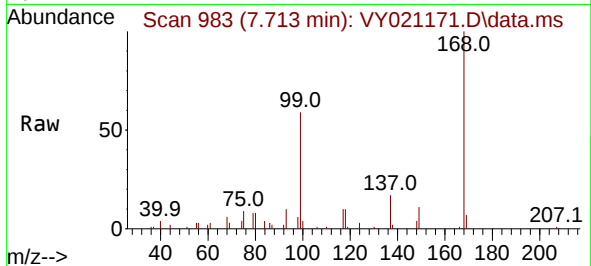




#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

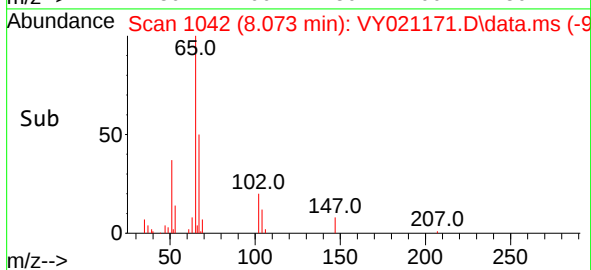
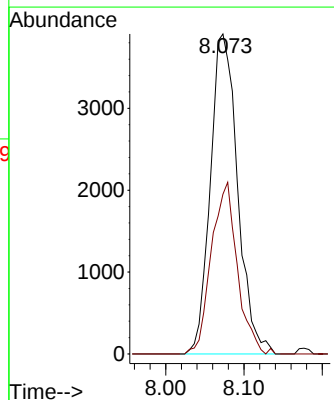
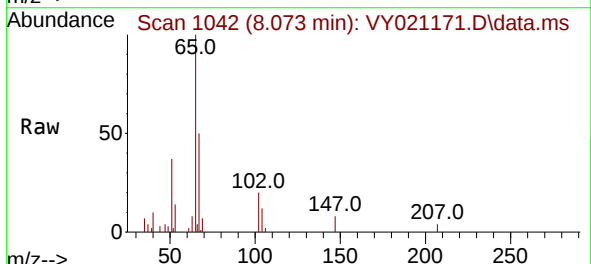
Instrument :
MSVOA_Y
ClientSampleId :

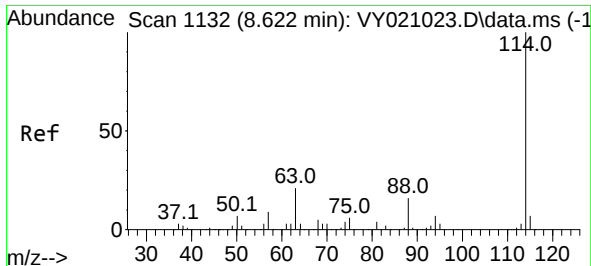
Tgt Ion: 56 Resp: 486
Ion Ratio Lower Upper
56 100
69 95.8 27.0 40.6#
84 131.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 44.142 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

Tgt Ion: 65 Resp: 9451
Ion Ratio Lower Upper
65 100
67 50.9 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021171.D

Acq: 11 Feb 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

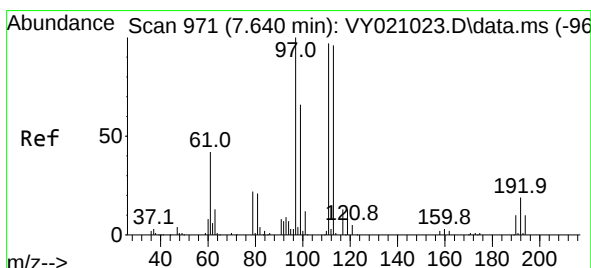
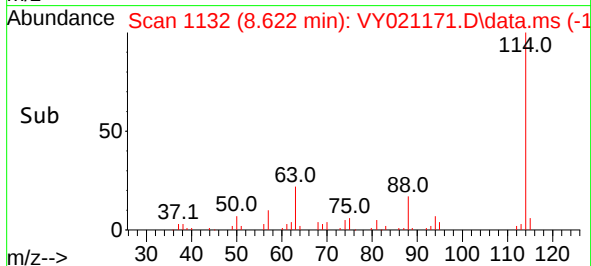
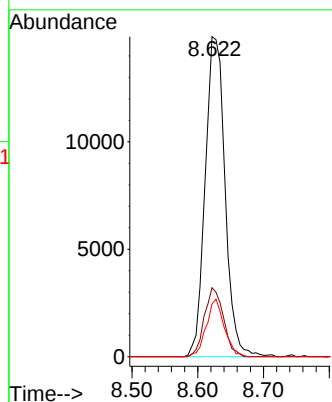
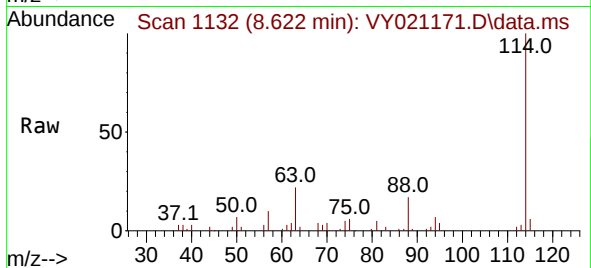
Tgt Ion:114 Resp: 31399

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

88 16.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.325 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021171.D

Acq: 11 Feb 2025 15:38

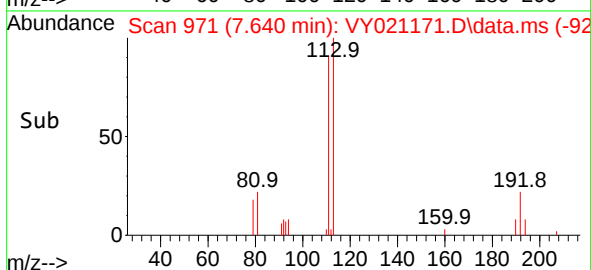
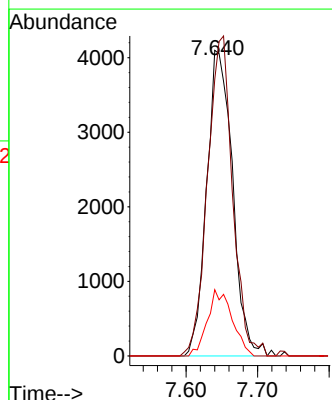
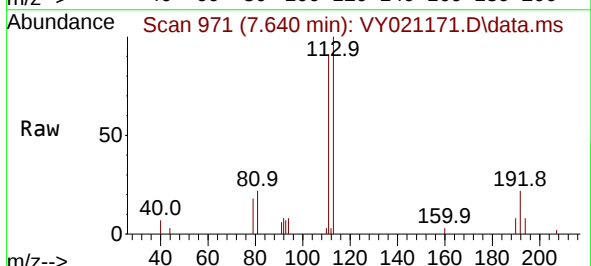
Tgt Ion:113 Resp: 10328

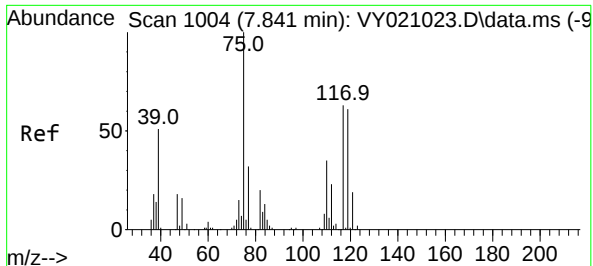
Ion Ratio Lower Upper

113 100

111 100.9 83.8 125.6

192 20.7 14.5 21.7





#36

1,1-Dichloropropene

Concen: 5.717 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.122 min

Lab File: VY021171.D

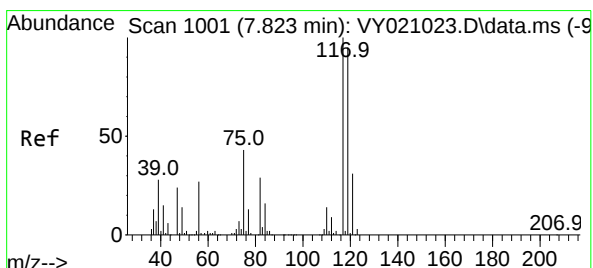
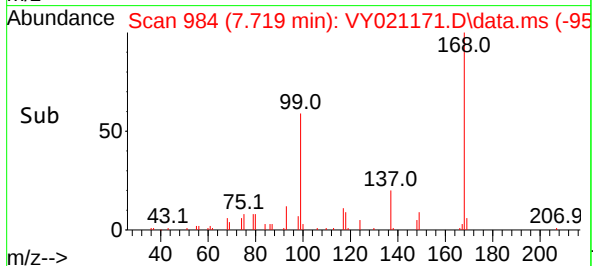
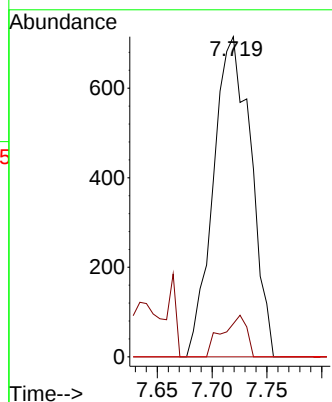
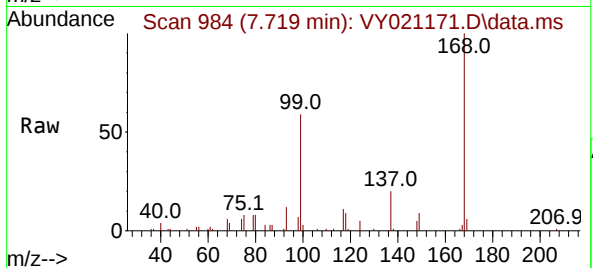
Acq: 11 Feb 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp:	1704
Ion Ratio	Lower	Upper
75	100	
110	8.5	17.4 52.3#
77	0.0	24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.607 ug/l

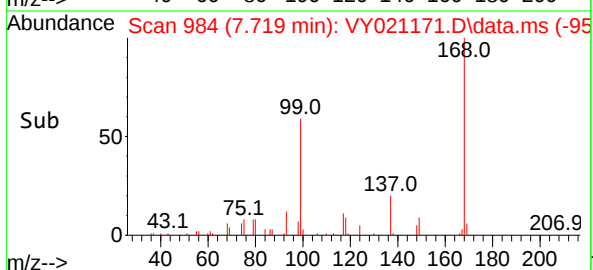
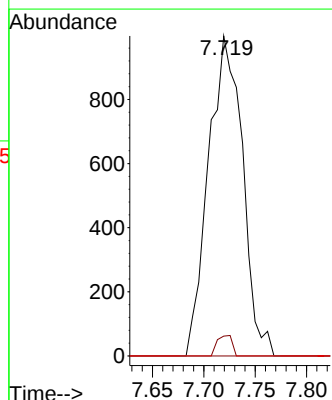
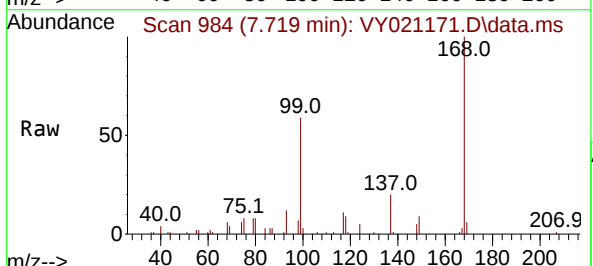
RT: 7.719 min Scan# 984

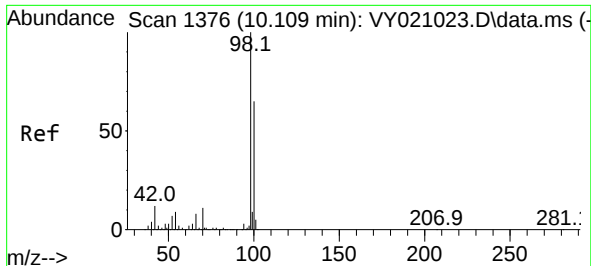
Delta R.T. -0.104 min

Lab File: VY021171.D

Acq: 11 Feb 2025 15:38

Tgt Ion: 117	Resp:	2301
Ion Ratio	Lower	Upper
117	100	
119	6.2	76.0 114.0#
121	0.0	24.2 36.2#

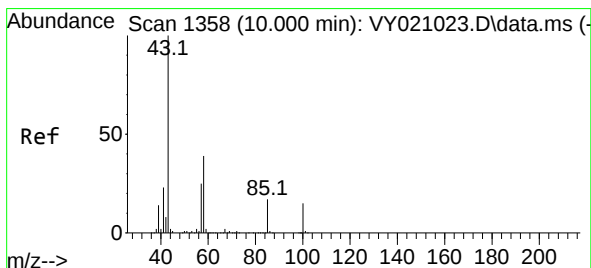
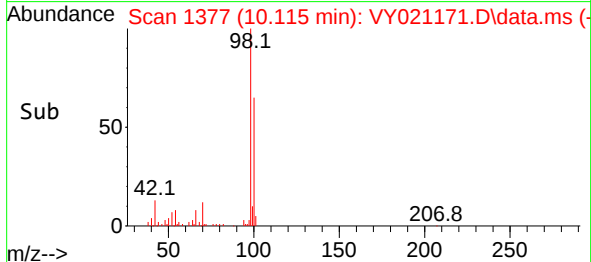
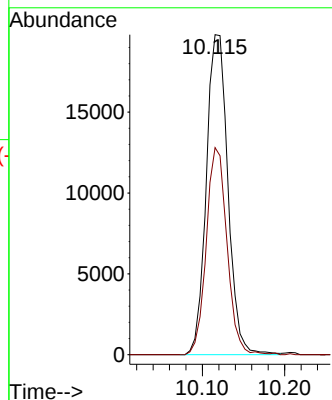
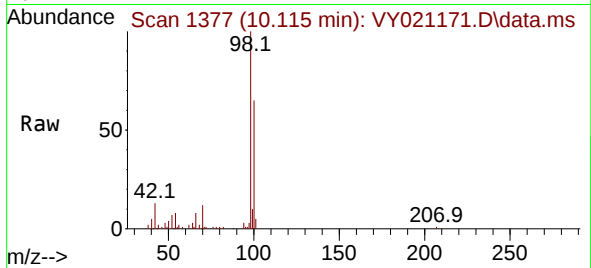




#50
Toluene-d8
Concen: 47.127 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

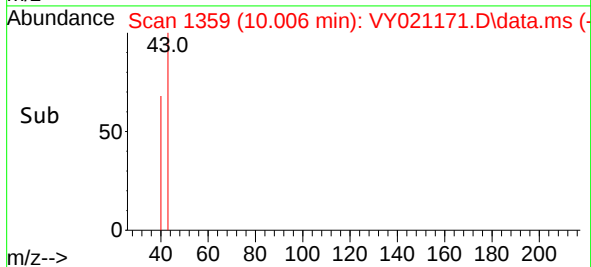
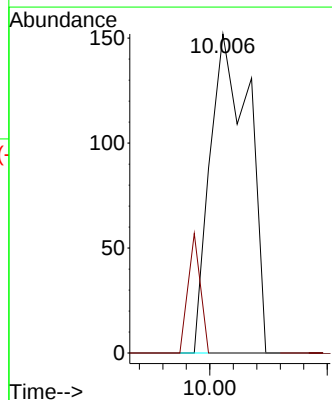
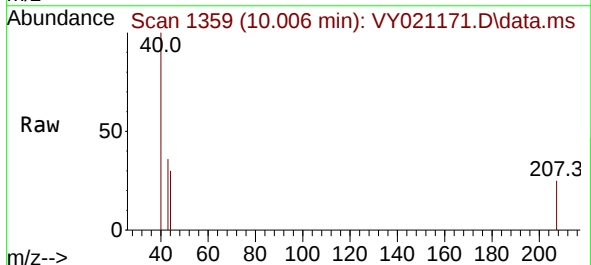
Instrument :
MSVOA_Y
ClientSampleId :

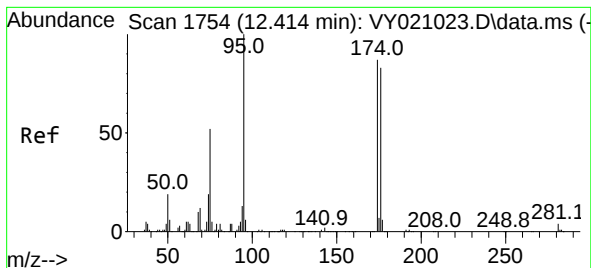
Tgt Ion: 98 Resp: 36103
Ion Ratio Lower Upper
98 100
100 62.1 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.347 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

Tgt Ion: 43 Resp: 176
Ion Ratio Lower Upper
43 100
58 11.9 32.2 48.2#

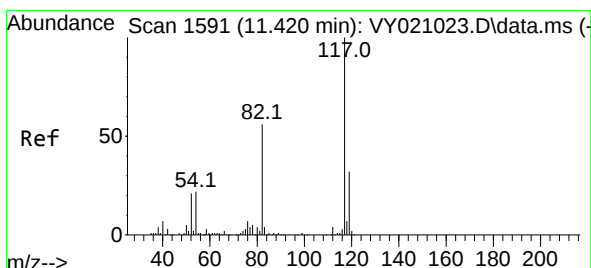
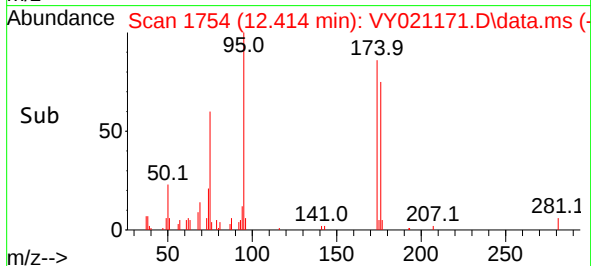
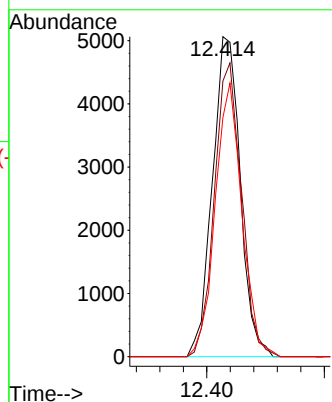
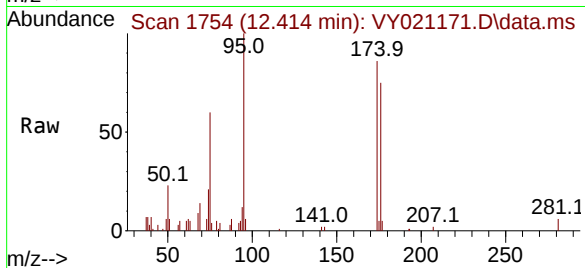




#62
4-Bromofluorobenzene
Concen: 33.176 ug/l
RT: 12.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

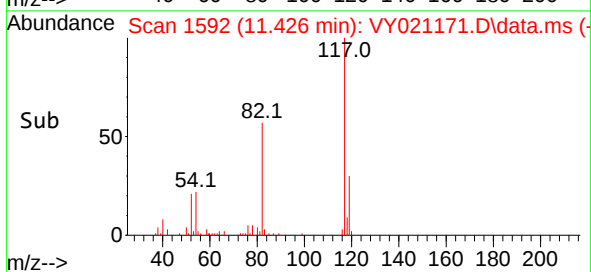
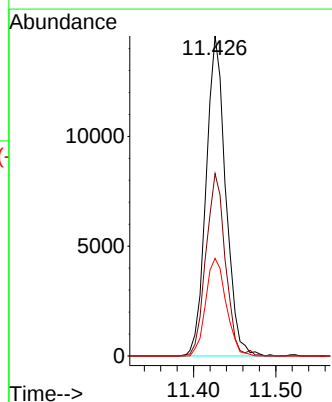
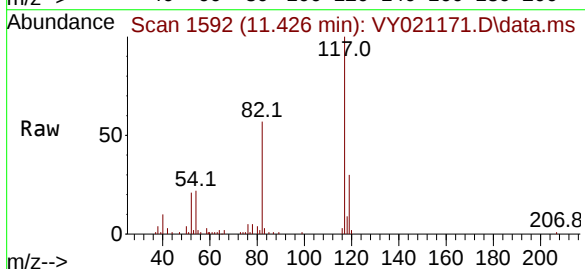
Instrument :
MSVOA_Y
ClientSampleId :

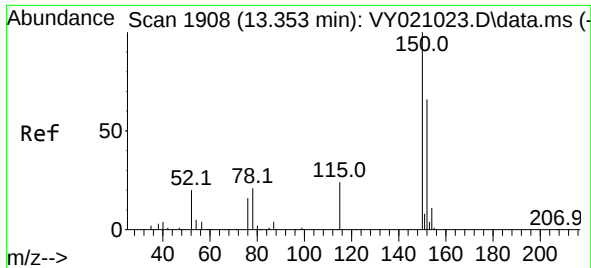
Tgt Ion:	95	Resp:	8303
Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	160.0
176	82.5	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

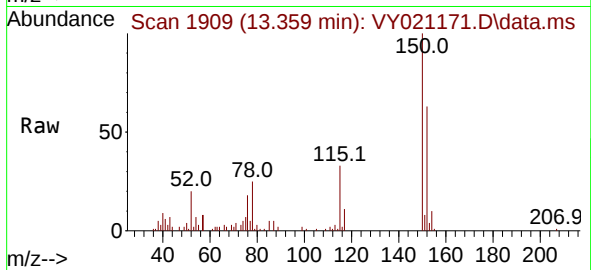
Tgt Ion:	117	Resp:	24093
Ion	Ratio	Lower	Upper
117	100		
82	57.0	43.8	65.8
119	30.5	26.5	39.7



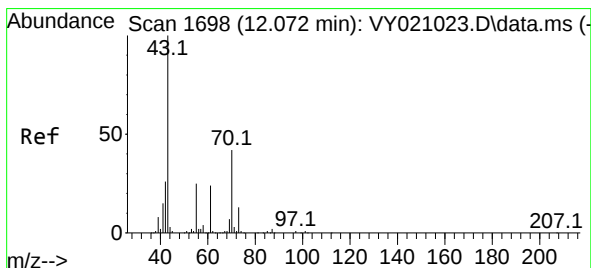
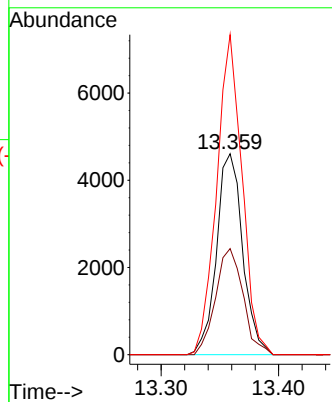
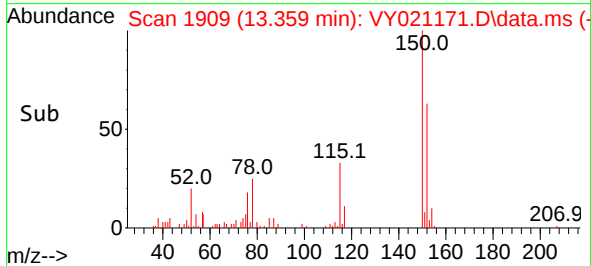


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

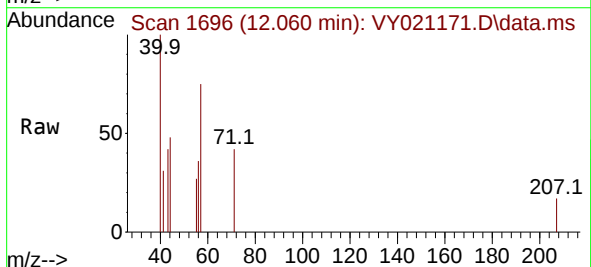
Instrument :
MSVOA_Y
ClientSampleId :



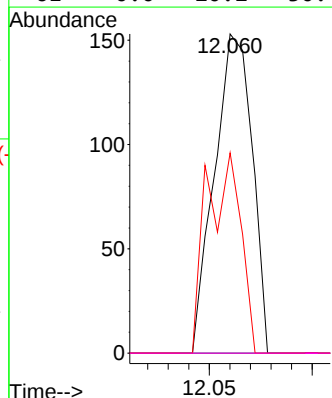
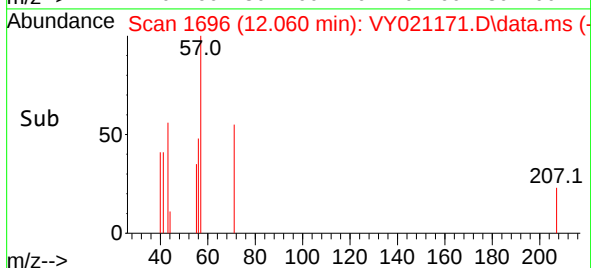
Tgt Ion:152 Resp: 7136
Ion Ratio Lower Upper
152 100
115 55.5 30.0 90.0
150 154.3 0.0 344.6

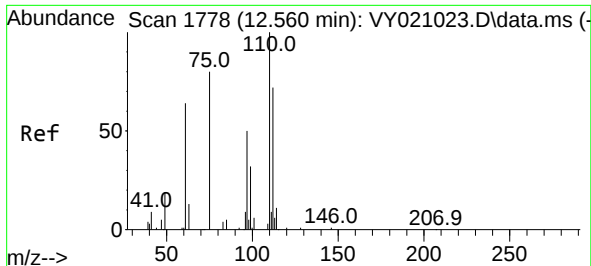


#74
N-ethyl acetate
Concen: 1.600 ug/l
RT: 12.060 min Scan# 1696
Delta R.T. -0.012 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38



Tgt Ion: 43 Resp: 195
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 56.4 22.2 33.4#
61 0.0 20.2 30.4#

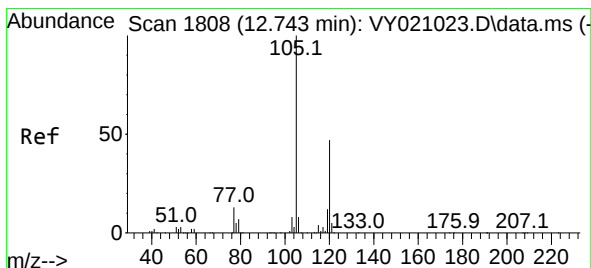
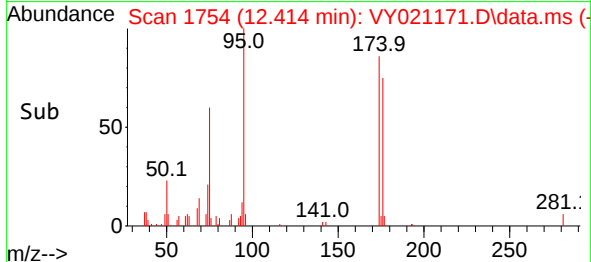
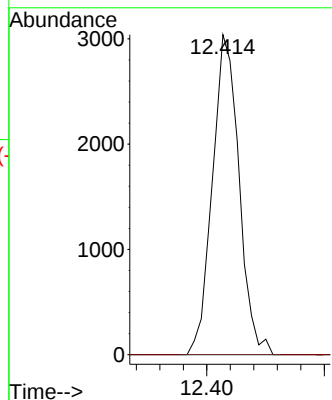
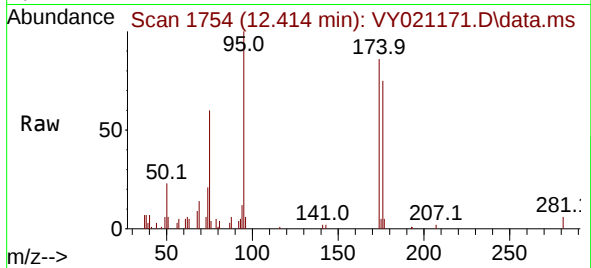




#76
 1,2,3-Trichloropropane
 Concen: 73.889 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.146 min
 Lab File: VY021171.D
 Acq: 11 Feb 2025 15:38

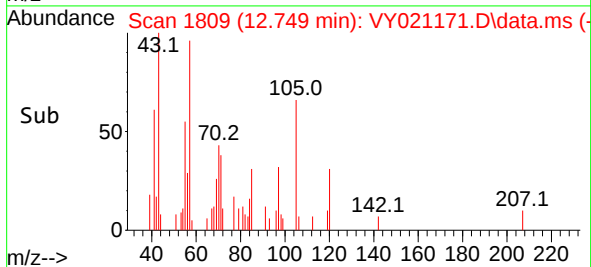
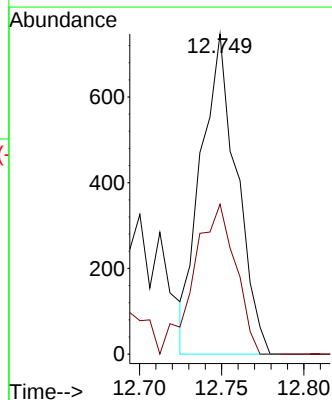
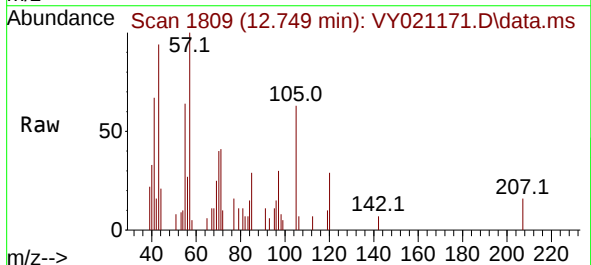
Instrument :
 MSVOA_Y
 ClientSampleId :

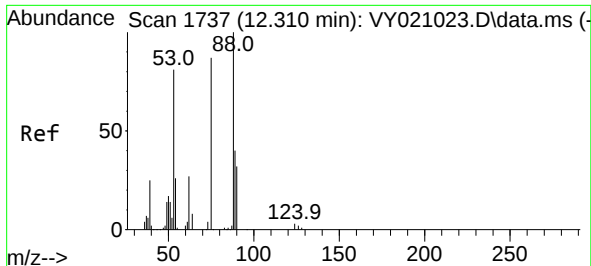
Tgt Ion: 75 Resp: 4783
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#80
 1,3,5-Trimethylbenzene
 Concen: 2.496 ug/l
 RT: 12.749 min Scan# 1809
 Delta R.T. 0.006 min
 Lab File: VY021171.D
 Acq: 11 Feb 2025 15:38

Tgt Ion: 105 Resp: 1128
 Ion Ratio Lower Upper
 105 100
 120 54.3 24.3 72.8

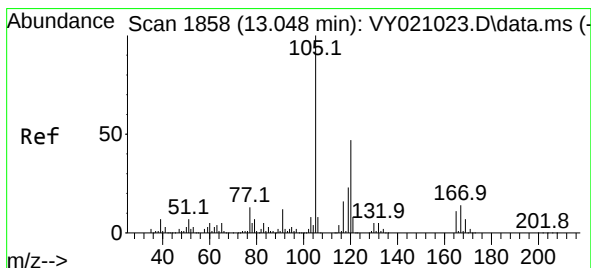
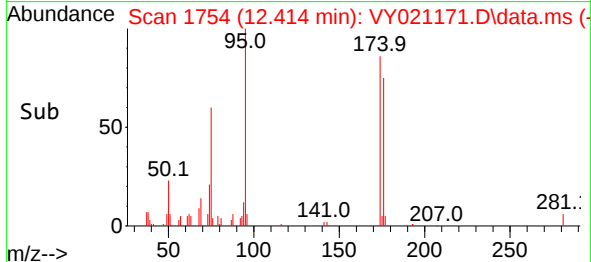
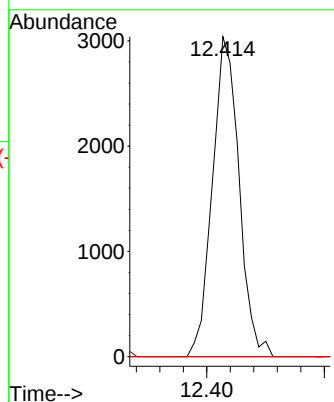
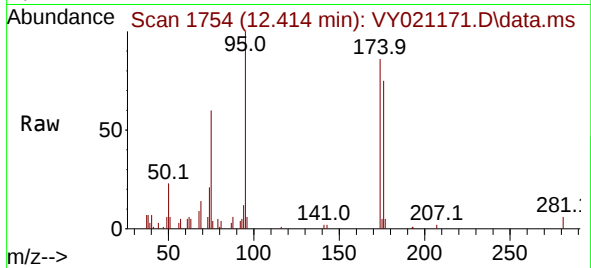




#81
trans-1,4-Dichloro-2-butene
Concen: 150.769 ug/l
RT: 12.414 min Scan# 1737
Delta R.T. 0.103 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

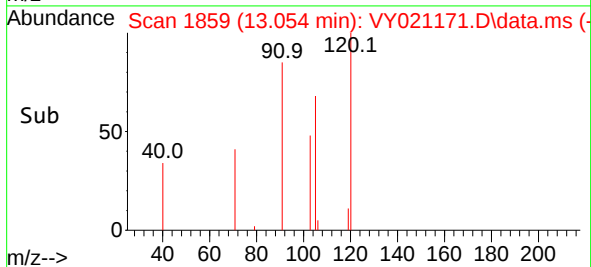
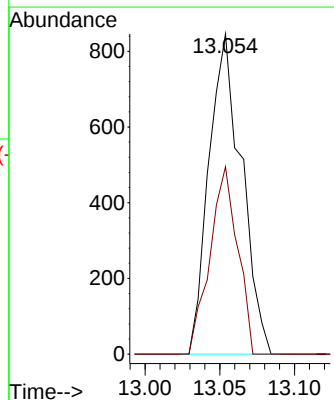
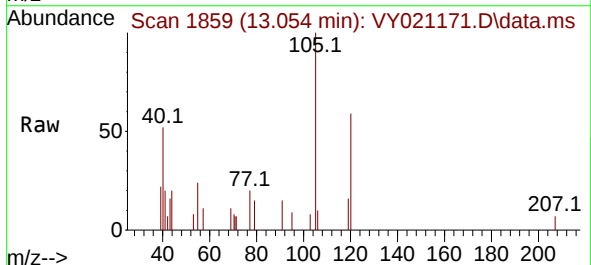
Instrument :
MSVOA_Y
ClientSampleId :

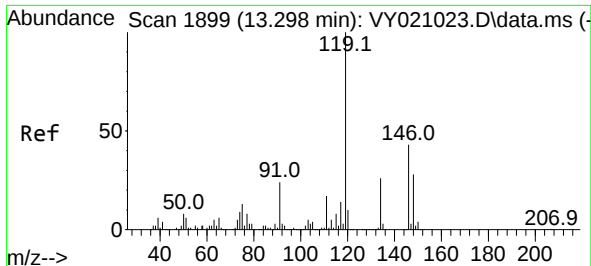
Tgt Ion: 75 Resp: 4783
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#84
1,2,4-Trimethylbenzene
Concen: 2.903 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021171.D
Acq: 11 Feb 2025 15:38

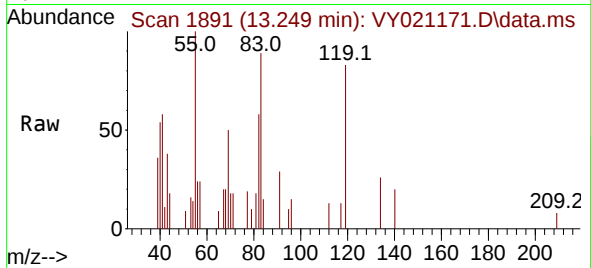
Tgt Ion: 105 Resp: 1283
Ion Ratio Lower Upper
105 100
120 49.5 22.1 66.3



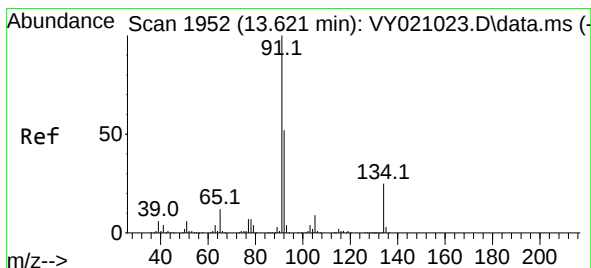
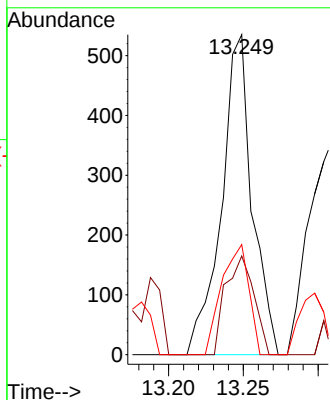
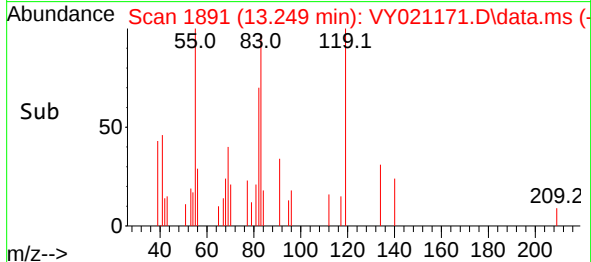


#86
 p-Isopropyltoluene
 Concen: 1.553 ug/l
 RT: 13.249 min Scan# 1891
 Delta R.T. -0.049 min
 Lab File: VY021171.D
 Acq: 11 Feb 2025 15:38

Instrument :
 MSVOA_Y
 ClientSampleId :

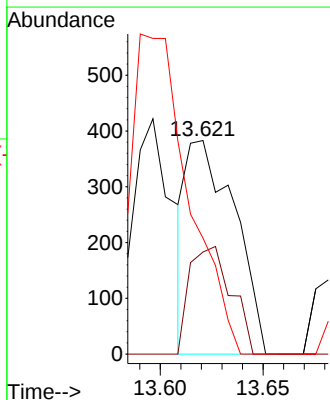
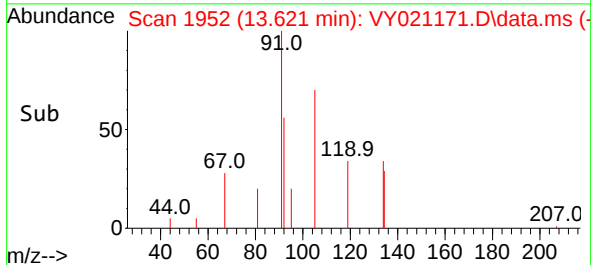
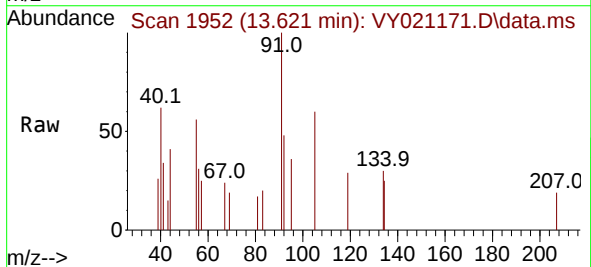


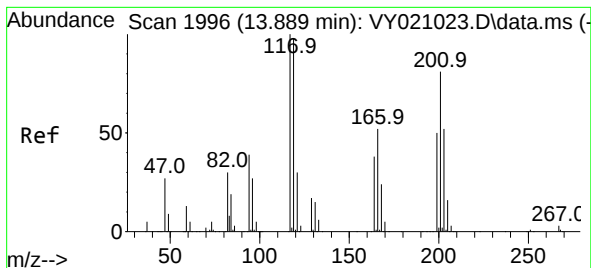
Tgt Ion:	119	Resp:	763
Ion	Ratio	Lower	Upper
119	100		
134	28.4	13.1	39.1
91	30.5	11.7	35.0



#89
 n-Butylbenzene
 Concen: 1.397 ug/l
 RT: 13.621 min Scan# 1952
 Delta R.T. -0.000 min
 Lab File: VY021171.D
 Acq: 11 Feb 2025 15:38

Tgt Ion:	91	Resp:	626
Ion	Ratio	Lower	Upper
91	100		
92	43.8	26.4	79.2
134	0.0	12.3	36.8





#90

Hexachloroethane

Concen: 2.498 ug/l

RT: 13.901 min Scan# 1996

Delta R.T. 0.012 min

Lab File: VY021171.D

Acq: 11 Feb 2025 15:38

Instrument :

MSVOA_Y

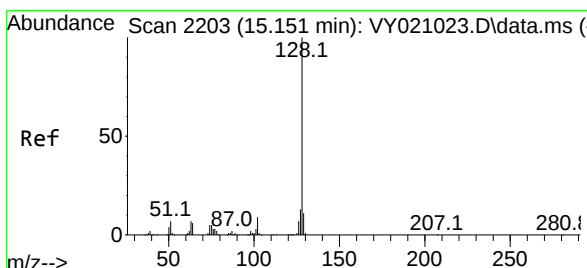
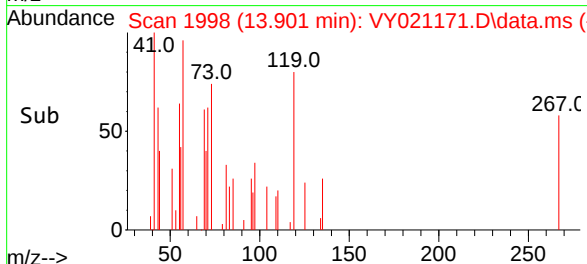
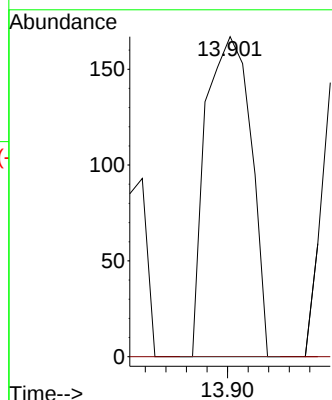
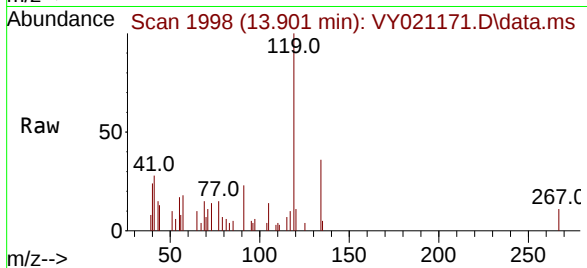
ClientSampleId :

Tgt Ion:117 Resp: 256

Ion Ratio Lower Upper

117 100

201 0.0 33.4 100.1#



#95

Naphthalene

Concen: 1.063 ug/l

RT: 15.163 min Scan# 2205

Delta R.T. 0.012 min

Lab File: VY021171.D

Acq: 11 Feb 2025 15:38

Tgt Ion:128 Resp: 204

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#

