

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032025\
 Data File : VY021583.D
 Acq On : 20 Mar 2025 15:35
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Mar 21 01:34:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

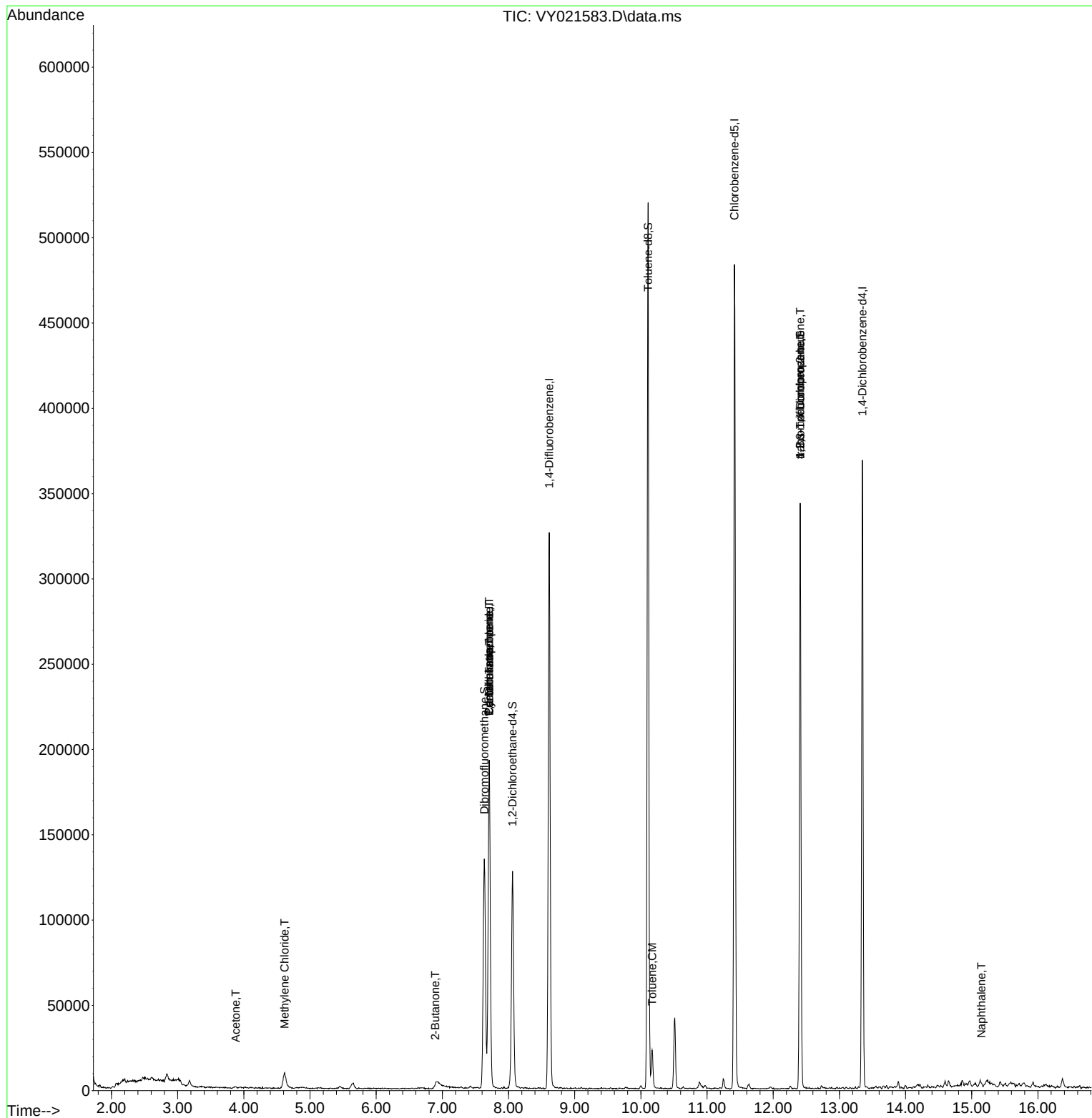
Internal Standards						
1) Pentafluorobenzene	7.707	168	140175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	263001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	249279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	89075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98984	66.810	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.620%	
35) Dibromofluoromethane	7.634	113	94356	54.581	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.160%	
50) Toluene-d8	10.109	98	326204	49.836	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.680%	
62) 4-Bromofluorobenzene	12.408	95	97806	43.927	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.885	59	192	Below Cal	#	72
16) Acetone	3.879	43	1264	3.912	ug/l	96
20) Methylene Chloride	4.616	84	6343	3.739	ug/l #	86
25) 2-Butanone	6.890	43	595	1.331	ug/l #	81
31) Cyclohexane	7.707	56	3775	1.360	ug/l #	30
36) 1,1-Dichloropropene	7.707	75	12218	4.515	ug/l #	50
38) Carbon Tetrachloride	7.707	117	14348	4.610	ug/l #	15
52) Toluene	10.170	92	8413	1.674	ug/l	95
76) 1,2,3-Trichloropropane	12.408	75	52687	58.698	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	52687	133.439	ug/l #	9
95) Naphthalene	15.145	128	1562	2.096	ug/l #	94

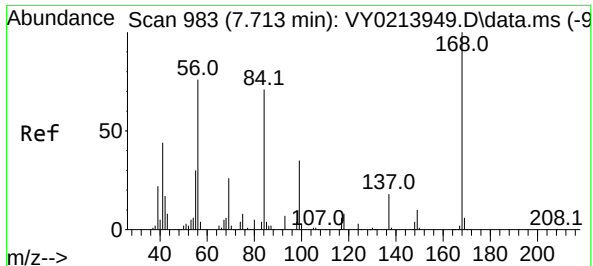
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032025\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

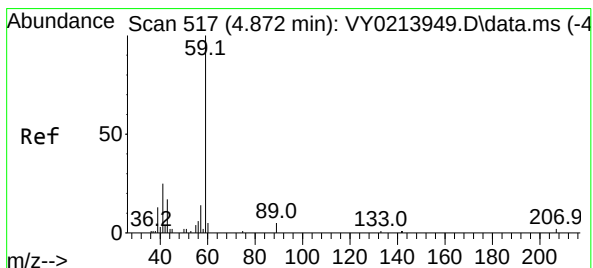
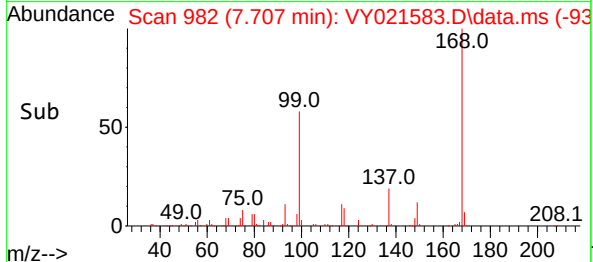
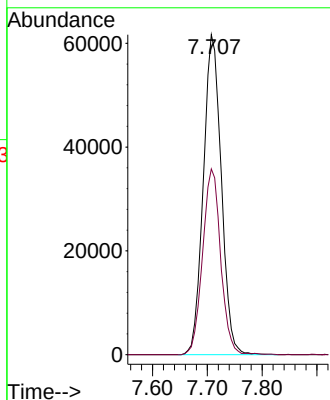
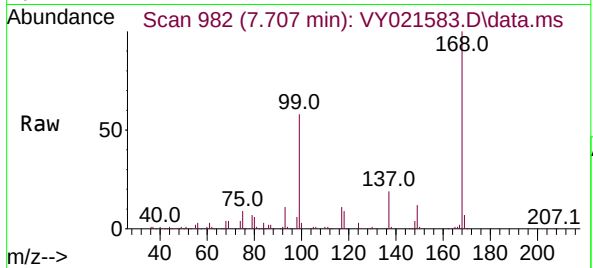




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021583.D
Acq: 20 Mar 2025 15:35

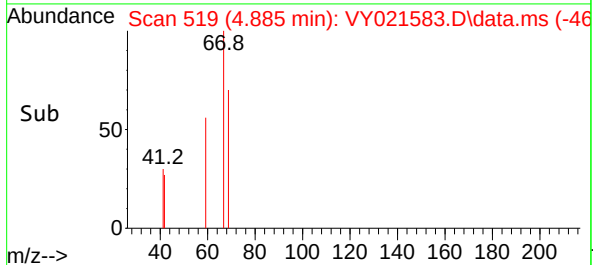
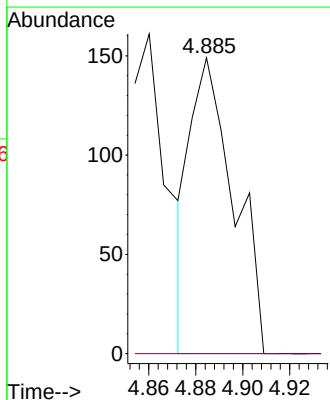
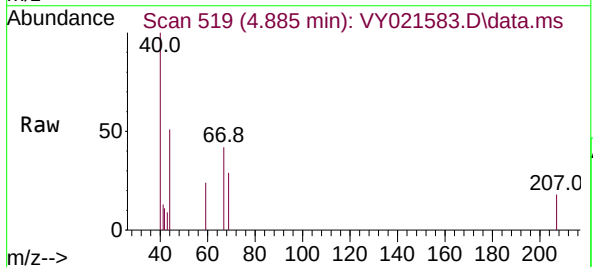
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

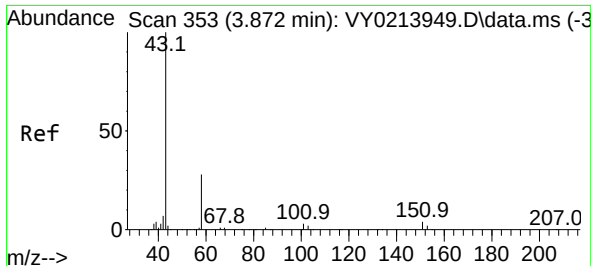
Tgt Ion:168 Resp: 140175
Ion Ratio Lower Upper
168 100
99 58.0 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.885 min Scan# 519
Delta R.T. 0.013 min
Lab File: VY021583.D
Acq: 20 Mar 2025 15:35

Tgt Ion: 59 Resp: 192
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

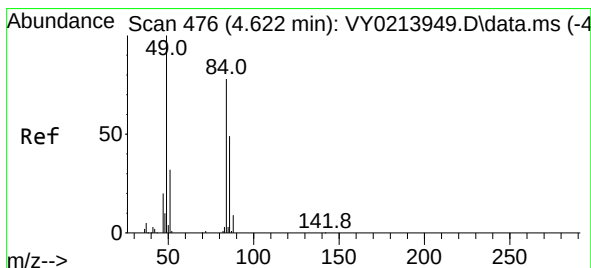
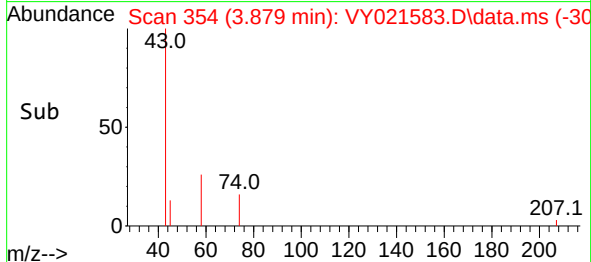
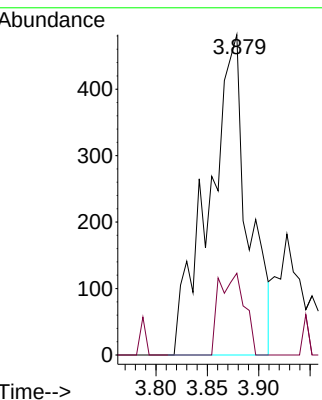
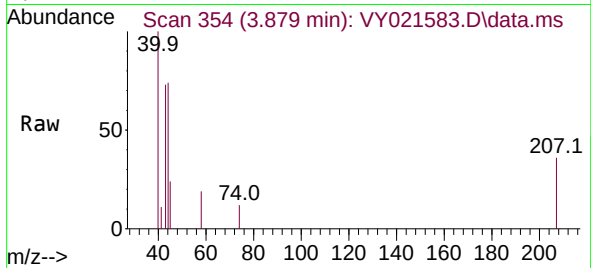




#16
Acetone
Concen: 3.912 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY021583.D
Acq: 20 Mar 2025 15:35

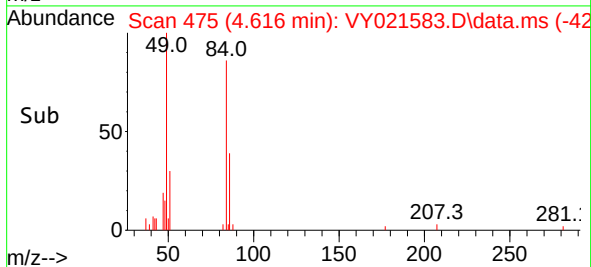
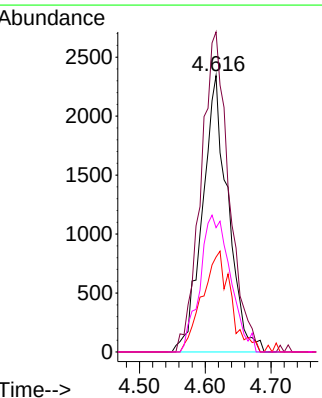
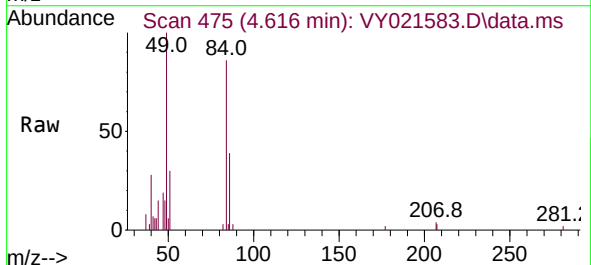
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

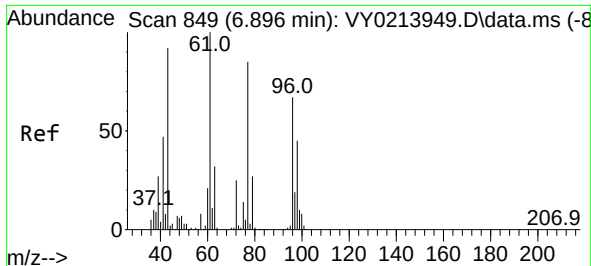
Tgt Ion: 43 Resp: 1264
Ion Ratio Lower Upper
43 100
58 25.5 22.1 33.1



#20
Methylene Chloride
Concen: 3.739 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021583.D
Acq: 20 Mar 2025 15:35

Tgt Ion: 84 Resp: 6343
Ion Ratio Lower Upper
84 100
49 115.8 102.0 153.0
51 34.3 33.0 49.6
86 45.0 50.5 75.7#





#25

2-Butanone

Concen: 1.331 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021583.D

Acq: 20 Mar 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

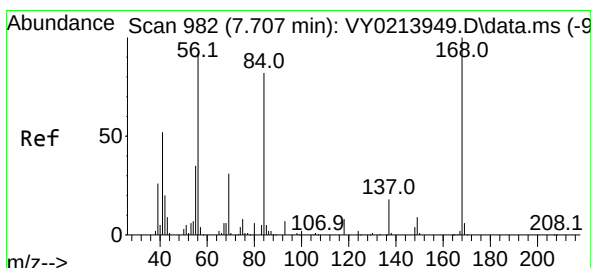
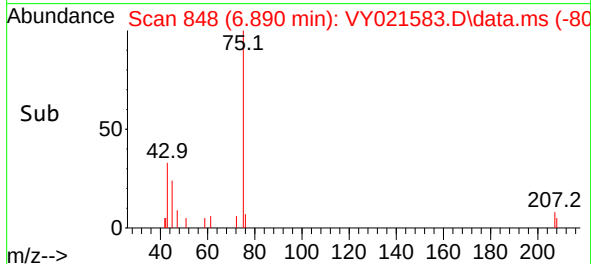
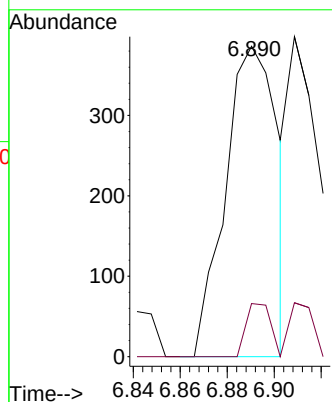
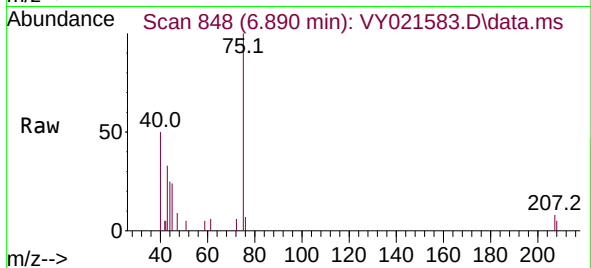
VIBLK

Tgt Ion: 43 Resp: 595

Ion Ratio Lower Upper

43 100

72 17.1 21.4 32.0#



#31

Cyclohexane

Concen: 1.360 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY021583.D

Acq: 20 Mar 2025 15:35

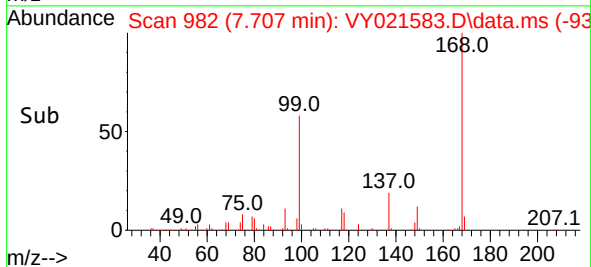
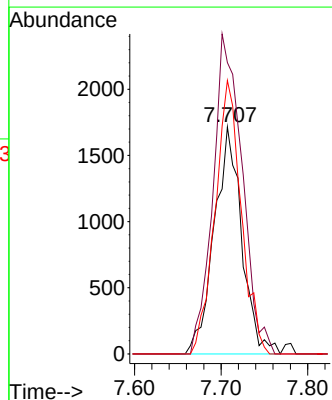
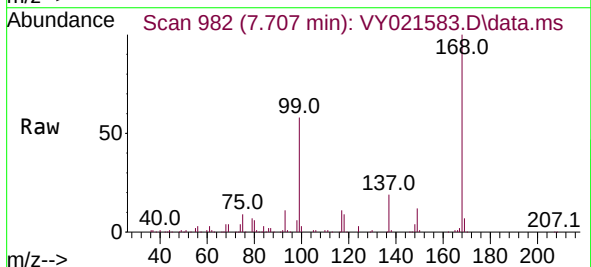
Tgt Ion: 56 Resp: 3775

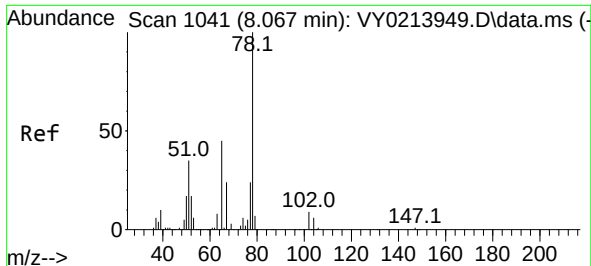
Ion Ratio Lower Upper

56 100

69 128.3 27.0 40.4#

84 120.4 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 66.810 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021583.D

Acq: 20 Mar 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

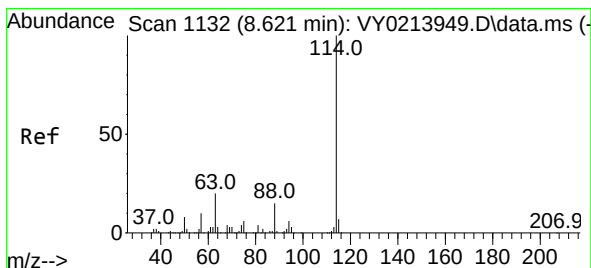
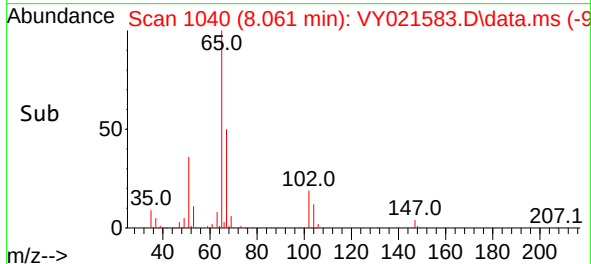
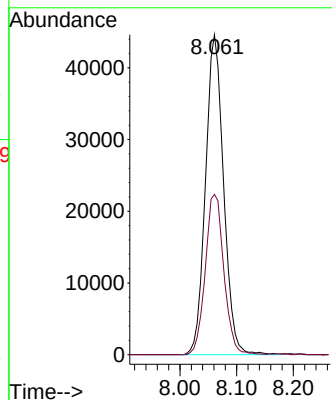
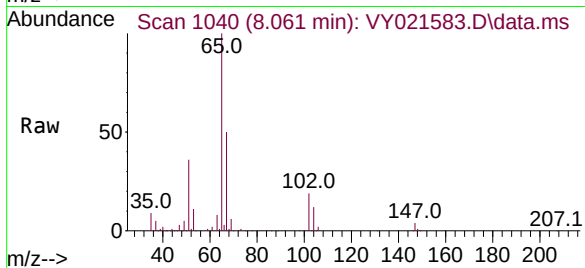
VIBLK

Tgt Ion: 65 Resp: 98984

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021583.D

Acq: 20 Mar 2025 15:35

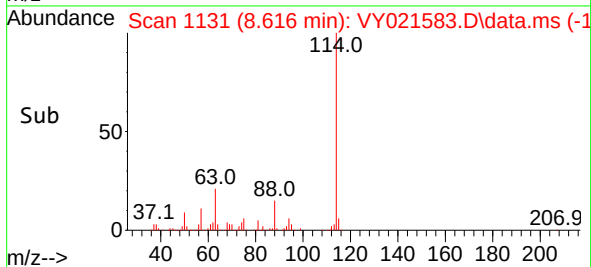
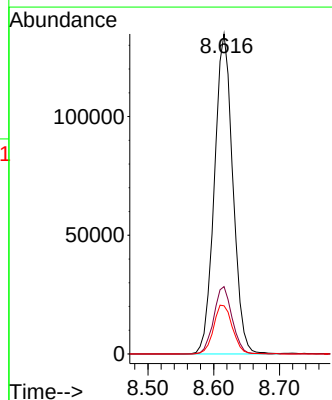
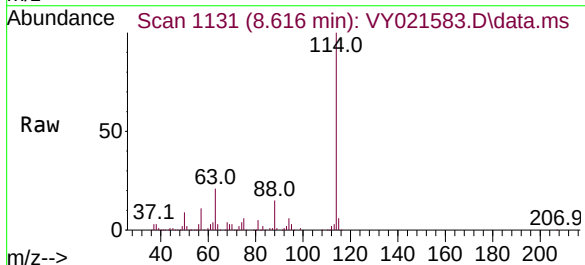
Tgt Ion: 114 Resp: 263001

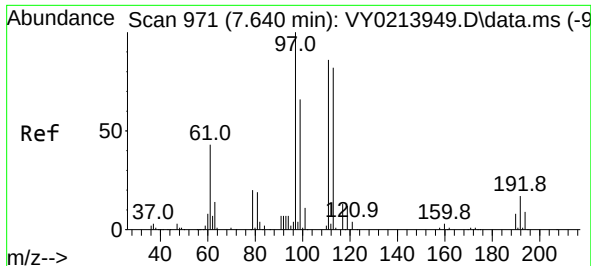
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 15.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 54.581 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021583.D

Acq: 20 Mar 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

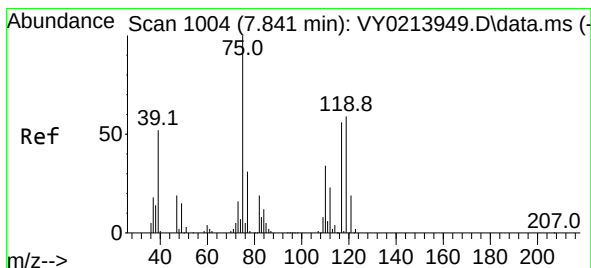
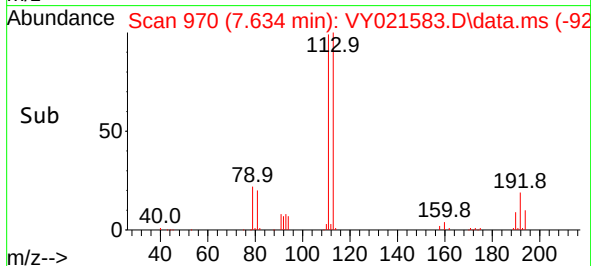
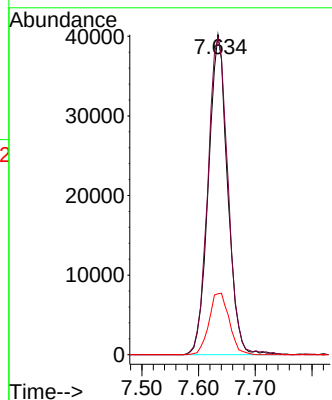
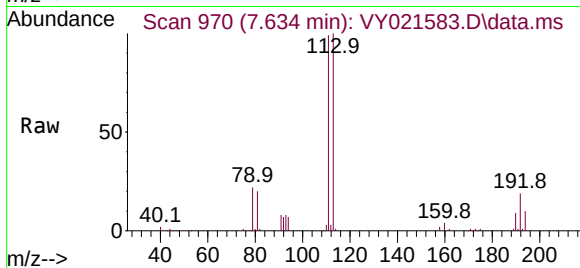
Tgt Ion:113 Resp: 94356

Ion Ratio Lower Upper

113 100

111 104.1 82.0 123.0

192 20.3 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.515 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021583.D

Acq: 20 Mar 2025 15:35

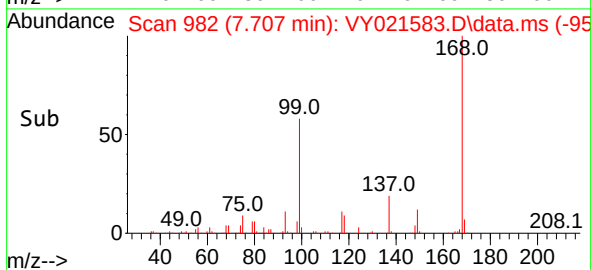
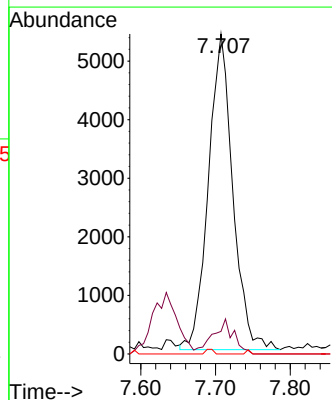
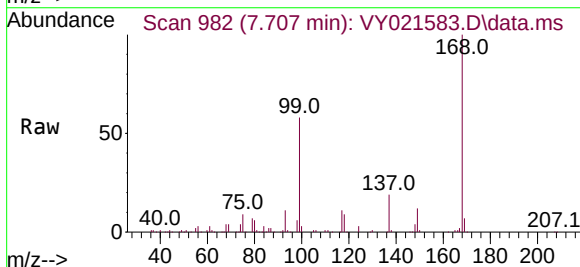
Tgt Ion: 75 Resp: 12218

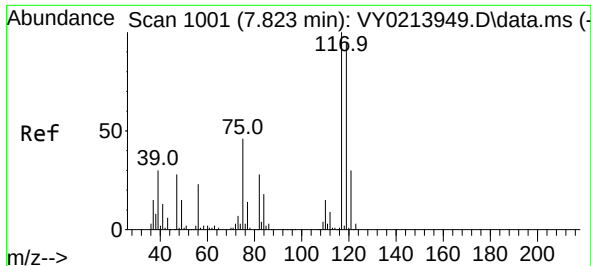
Ion Ratio Lower Upper

75 100

110 9.3 17.3 51.7#

77 0.5 25.4 38.2#

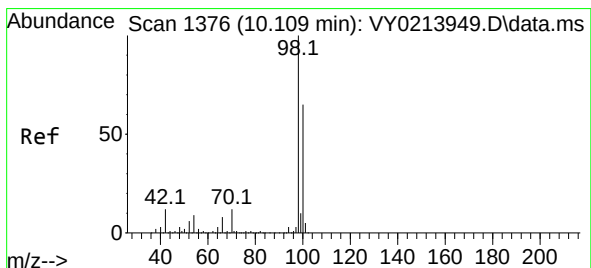
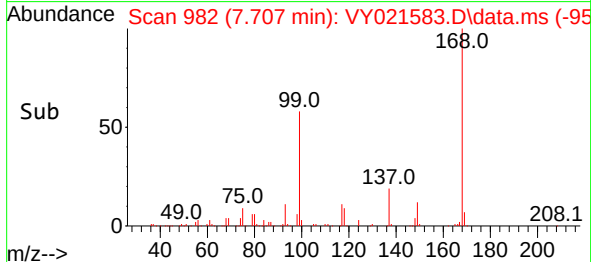
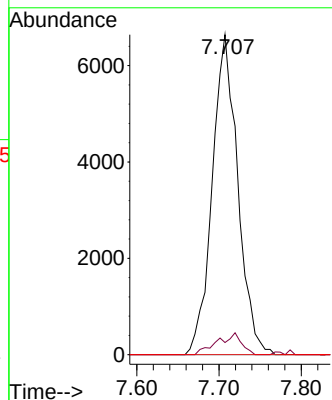
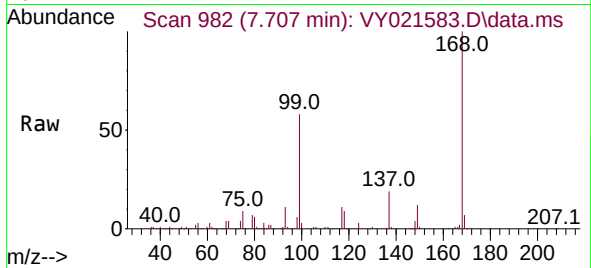




#38
Carbon Tetrachloride
Concen: 4.610 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY021583.D
Acq: 20 Mar 2025 15:35

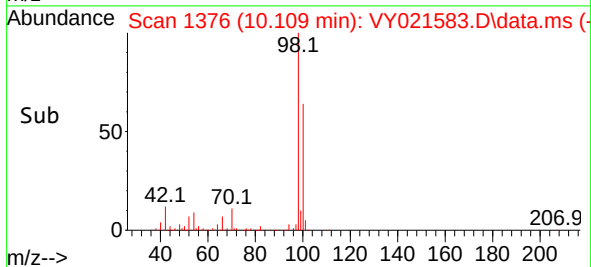
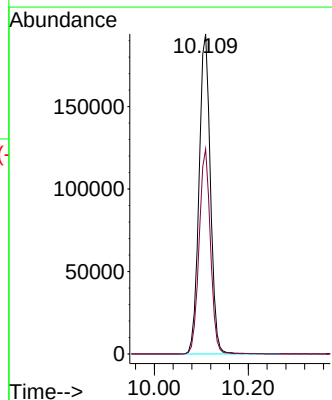
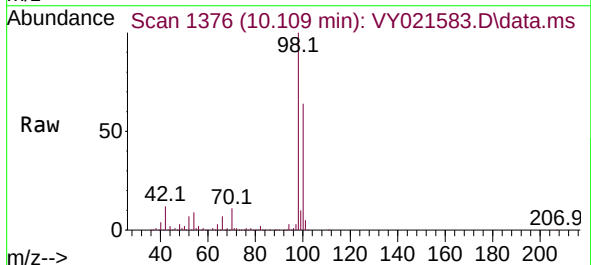
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

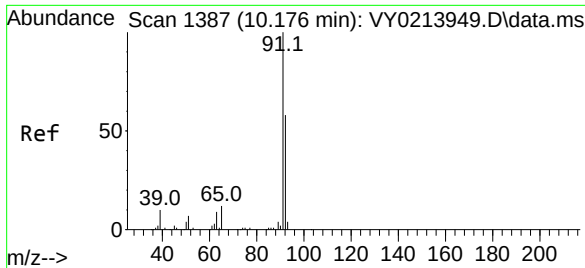
Tgt Ion:117 Resp: 14348
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 49.836 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021583.D
Acq: 20 Mar 2025 15:35

Tgt Ion: 98 Resp: 326204
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1

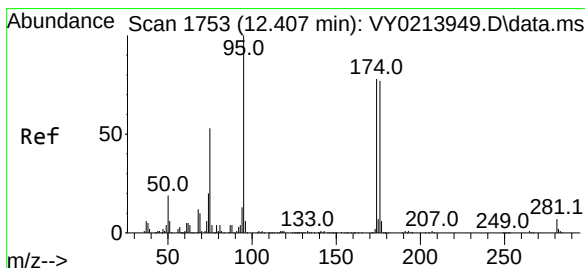
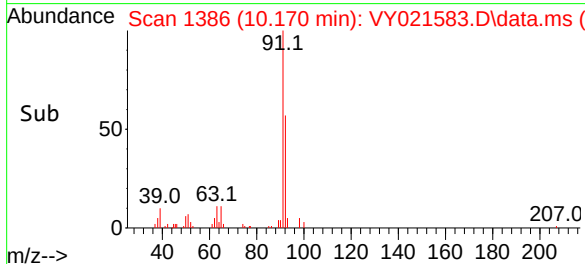
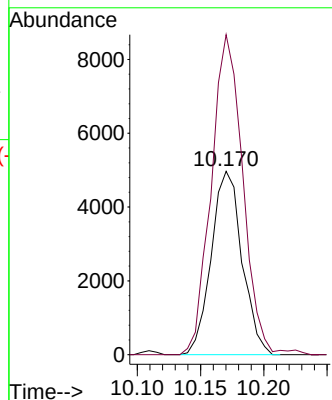
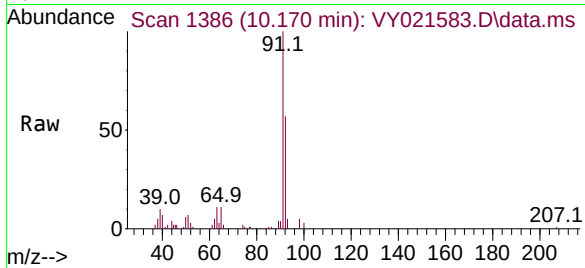




#52
Toluene
Concen: 1.674 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021583.D
Acq: 20 Mar 2025 15:35

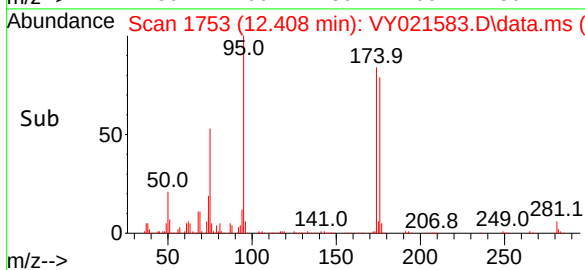
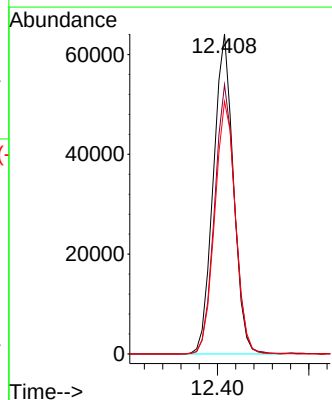
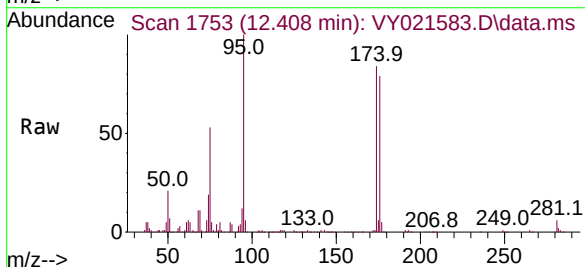
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

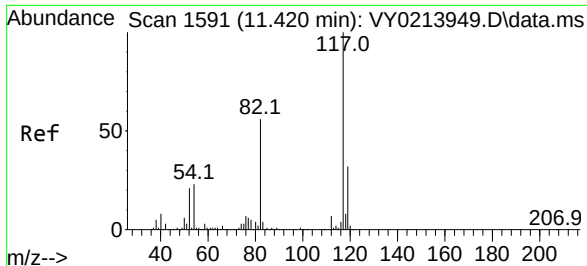
Tgt Ion: 92 Resp: 8413
Ion Ratio Lower Upper
92 100
91 179.3 138.2 207.2



#62
4-Bromofluorobenzene
Concen: 43.927 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021583.D
Acq: 20 Mar 2025 15:35

Tgt Ion: 95 Resp: 97806
Ion Ratio Lower Upper
95 100
174 85.0 0.0 165.0
176 81.3 0.0 160.0

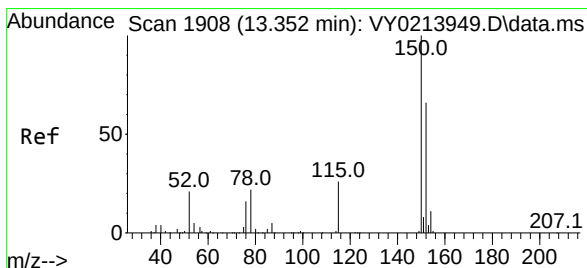
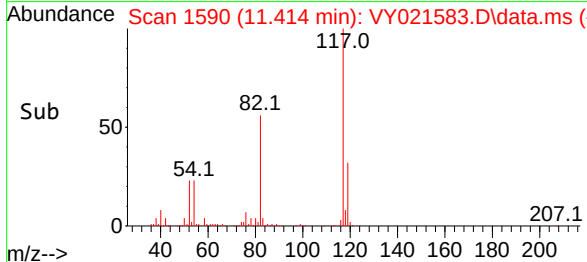
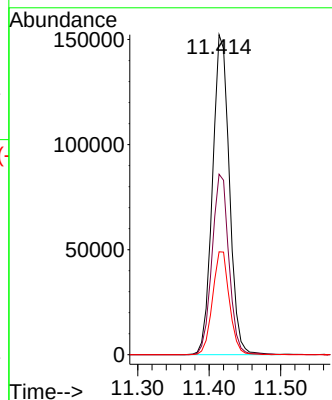
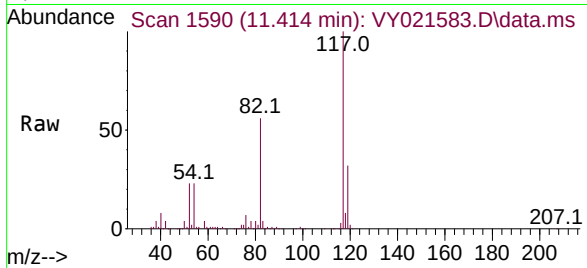




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021583.D
Acq: 20 Mar 2025 15:35

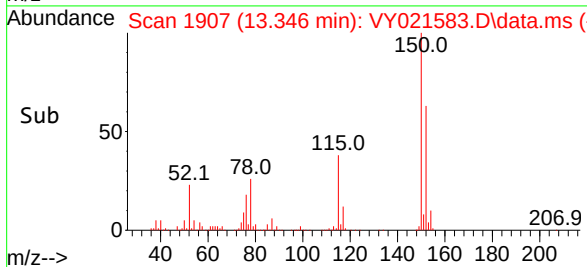
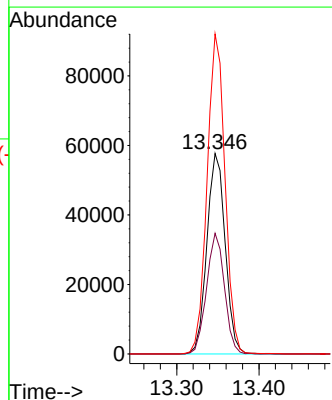
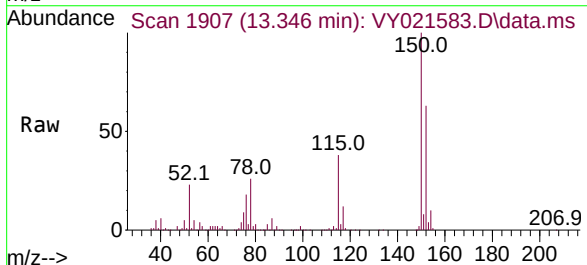
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

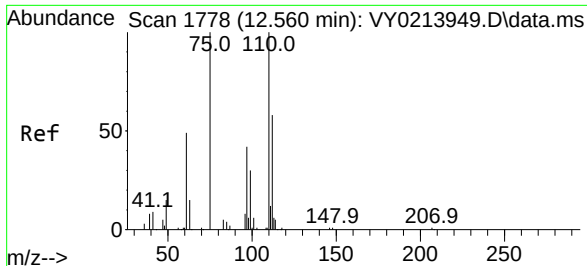
Tgt Ion:117 Resp: 249279
Ion Ratio Lower Upper
117 100
82 56.4 44.6 67.0
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021583.D
Acq: 20 Mar 2025 15:35

Tgt Ion:152 Resp: 89075
Ion Ratio Lower Upper
152 100
115 58.9 29.0 87.0
150 156.2 0.0 347.2

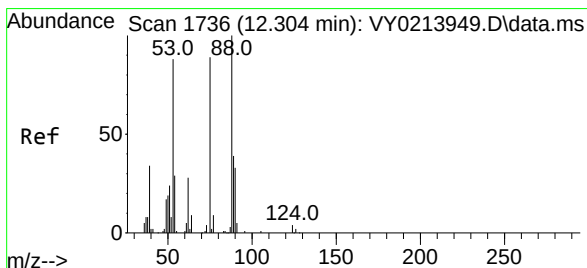
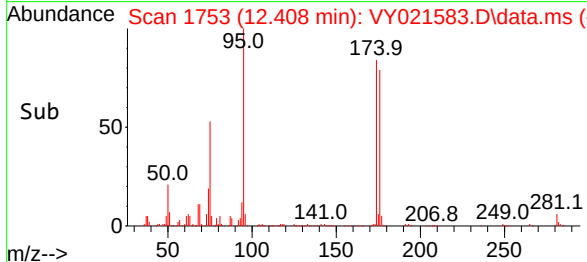
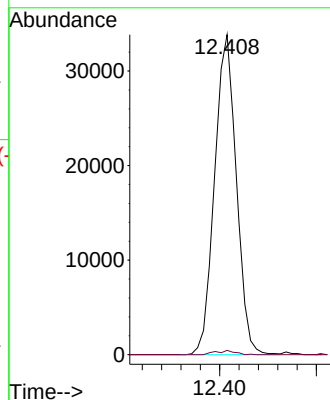
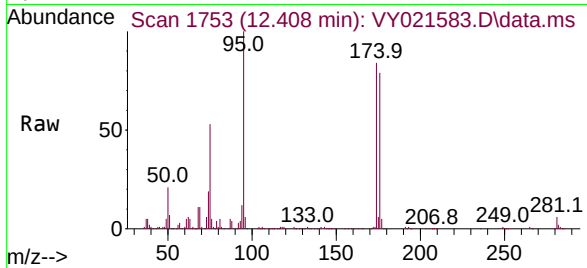




#76
 1,2,3-Trichloropropane
 Concen: 58.698 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021583.D
 Acq: 20 Mar 2025 15:35

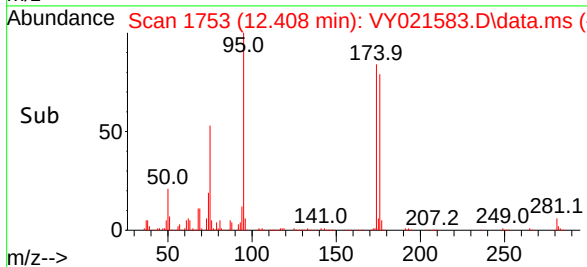
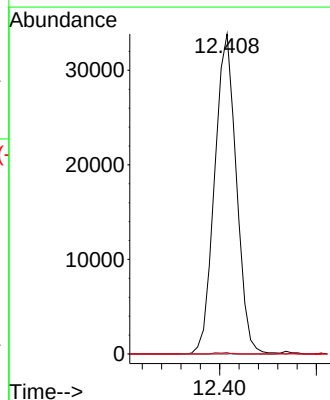
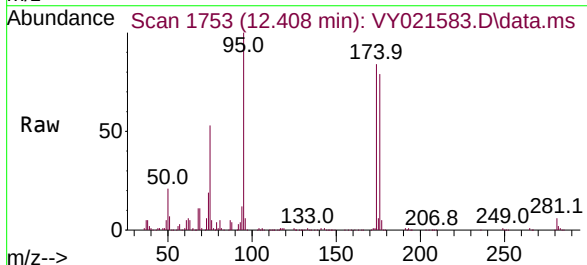
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

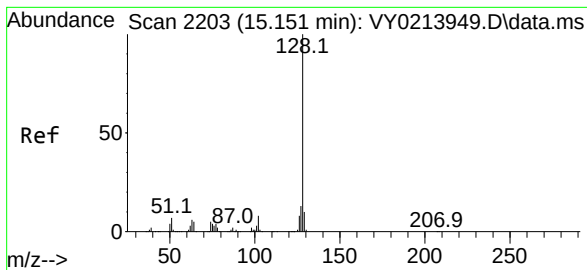
Tgt Ion: 75 Resp: 52687
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.439 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021583.D
 Acq: 20 Mar 2025 15:35

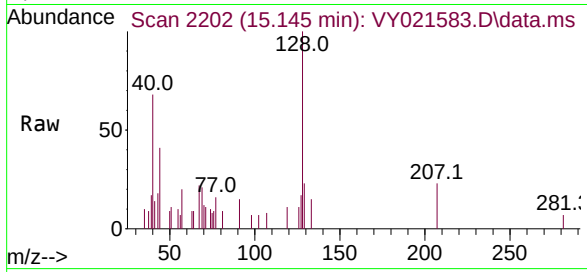
Tgt Ion: 75 Resp: 52687
 Ion Ratio Lower Upper
 75 100
 53 0.2 81.0 121.4#
 89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 2.096 ug/l
RT: 15.145 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021583.D
Acq: 20 Mar 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK



Tgt Ion:	128	Resp:	1562
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.6	15.8
129	13.7	8.6	13.0

