

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022466.D
 Acq On : 29 May 2025 14:46
 Operator : SY/MD
 Sample : Q2150-07
 Misc : 7.53g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-51

Quant Time: May 30 05:35:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

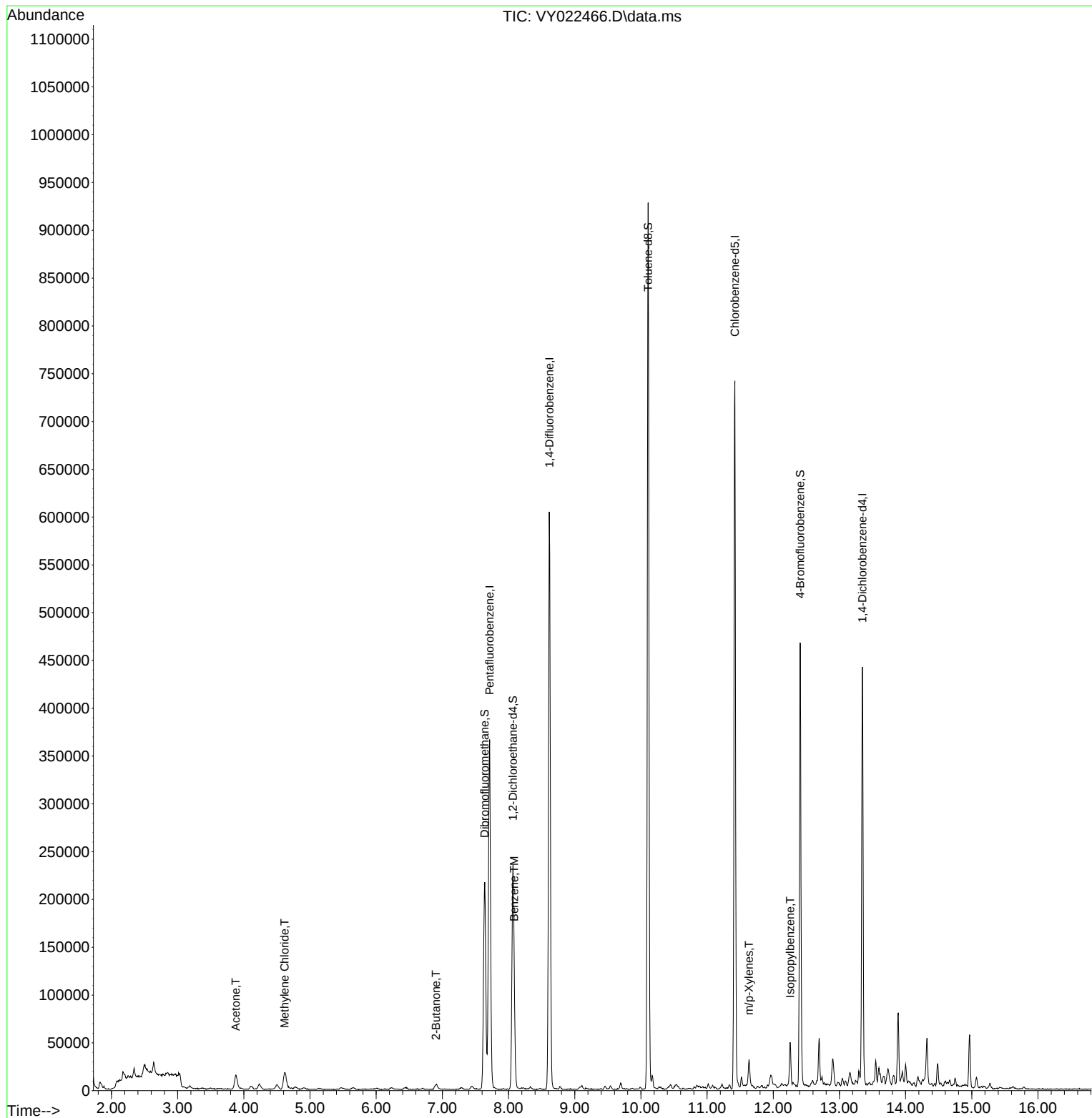
Internal Standards						
1) Pentafluorobenzene	7.713	168	266889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	485834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	362765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	99703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	155794	55.420	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.840%	
35) Dibromofluoromethane	7.640	113	149024	52.377	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.760%	
50) Toluene-d8	10.109	98	575624	49.629	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.260%	
62) 4-Bromofluorobenzene	12.408	95	122932	35.039	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 70.080%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	27941	60.486	ug/l	92
20) Methylene Chloride	4.616	84	12702	3.894	ug/l	95
25) 2-Butanone	6.902	43	8812	11.454	ug/l #	85
40) Benzene	8.085	78	47372	3.526	ug/l	93
68) m/p-Xylenes	11.633	106	8212	1.508	ug/l	98
73) Isopropylbenzene	12.255	105	28214	3.596	ug/l	99

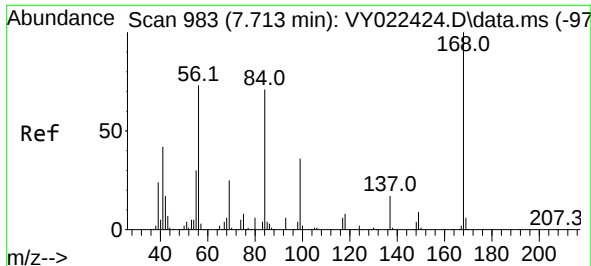
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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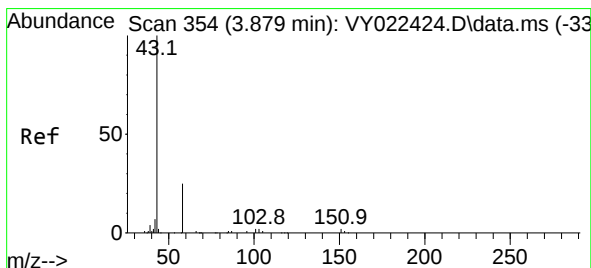
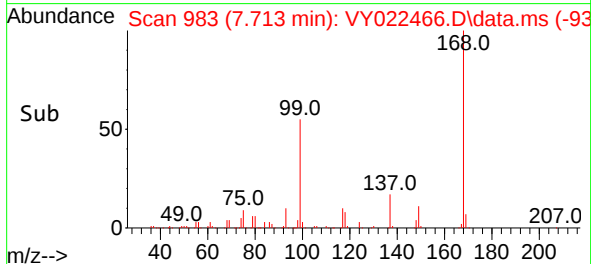
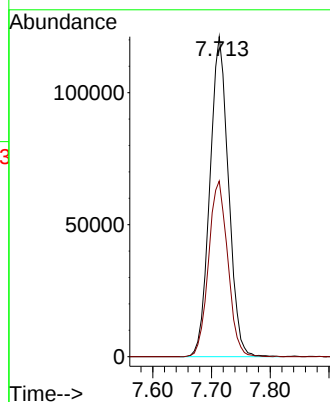
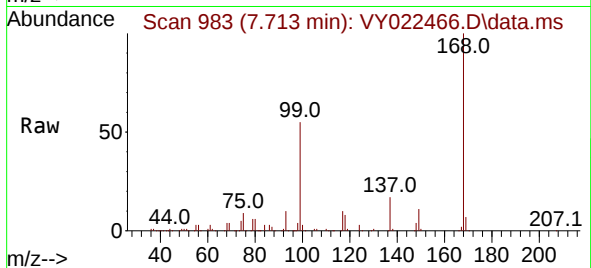




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

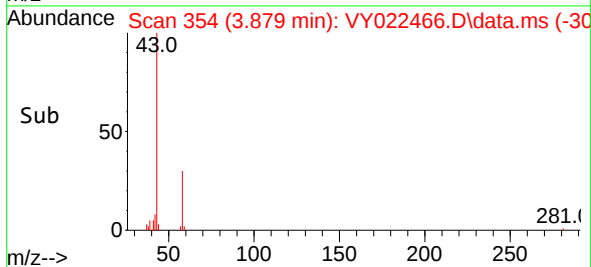
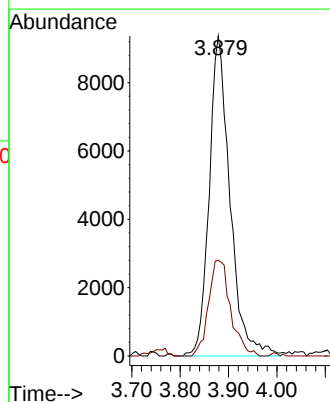
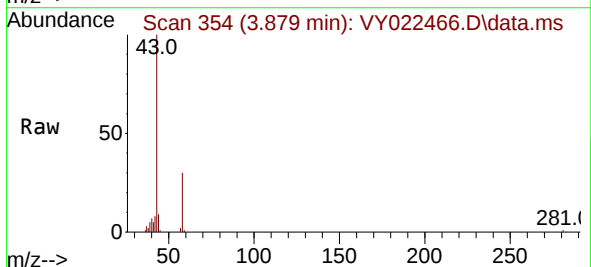
Instrument :
MSVOA_Y
ClientSampleId :
TP-51

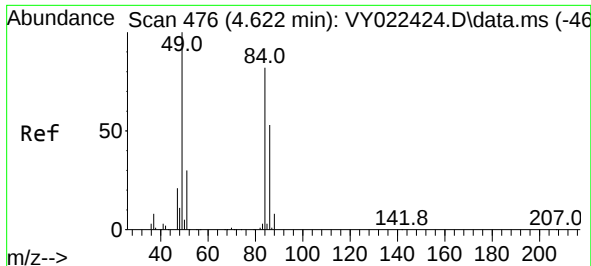
Tgt Ion:168 Resp: 266889
Ion Ratio Lower Upper
168 100
99 54.9 44.7 67.1



#16
Acetone
Concen: 60.486 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Tgt Ion: 43 Resp: 27941
Ion Ratio Lower Upper
43 100
58 29.9 20.6 30.8





#20

Methylene Chloride

Concen: 3.894 ug/l

RT: 4.616 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

TP-51

Tgt Ion: 84 Resp: 12702

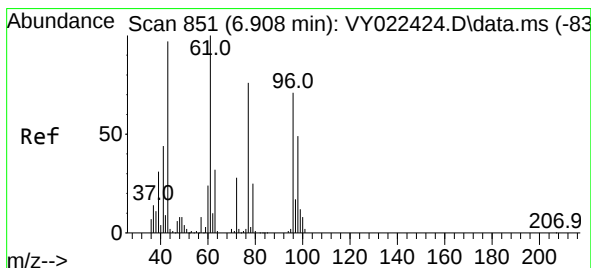
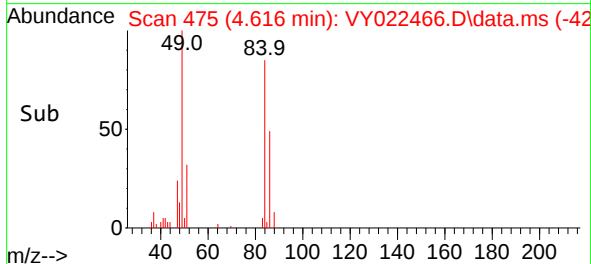
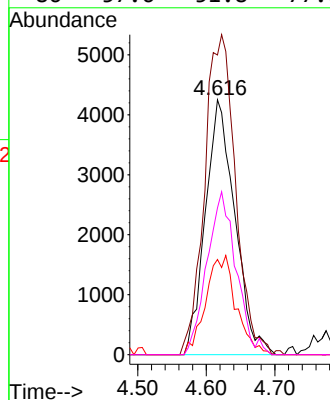
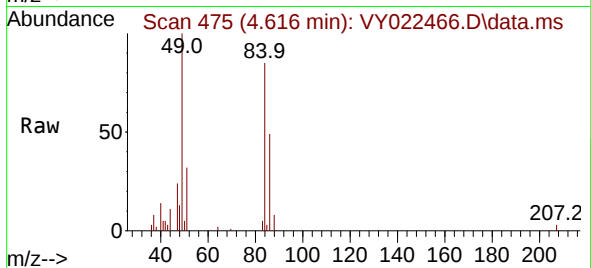
Ion Ratio Lower Upper

84 100

49 117.6 97.8 146.8

51 37.4 29.5 44.3

86 57.6 51.8 77.6



#25

2-Butanone

Concen: 11.454 ug/l

RT: 6.902 min Scan# 850

Delta R.T. -0.006 min

Lab File: VY022466.D

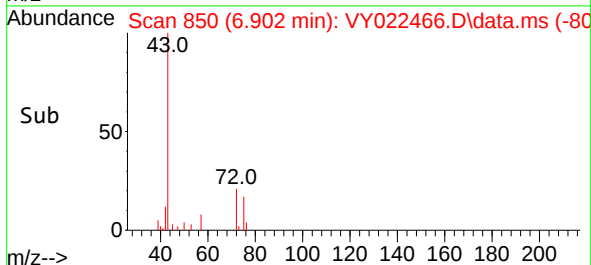
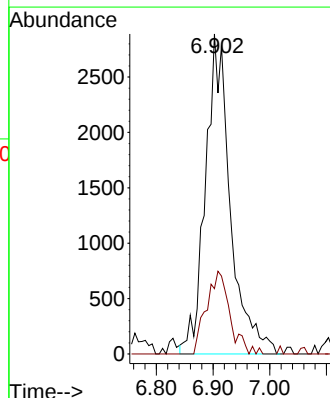
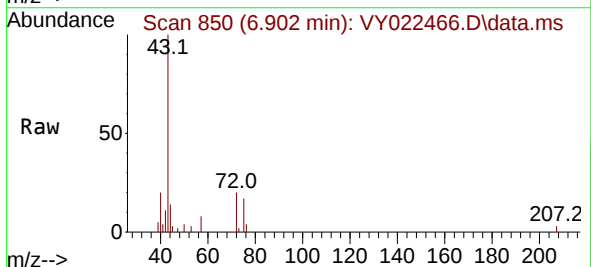
Acq: 29 May 2025 14:46

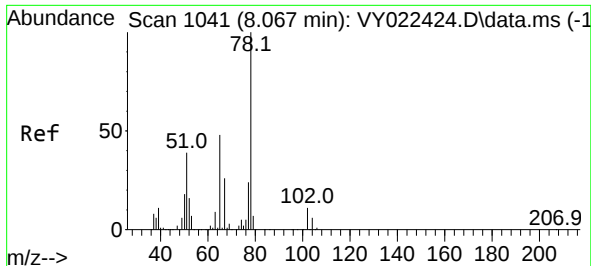
Tgt Ion: 43 Resp: 8812

Ion Ratio Lower Upper

43 100

72 20.4 22.8 34.2#





#33

1,2-Dichloroethane-d4

Concen: 55.420 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

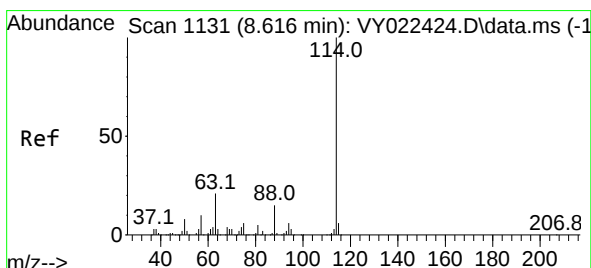
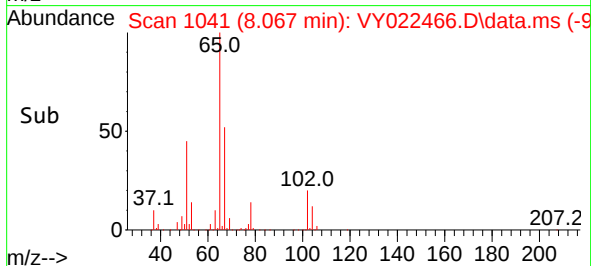
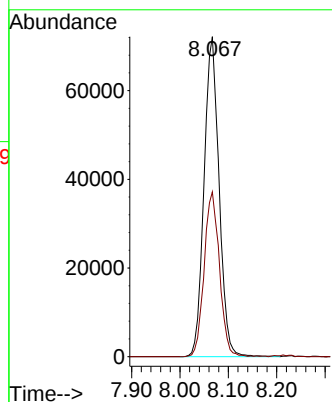
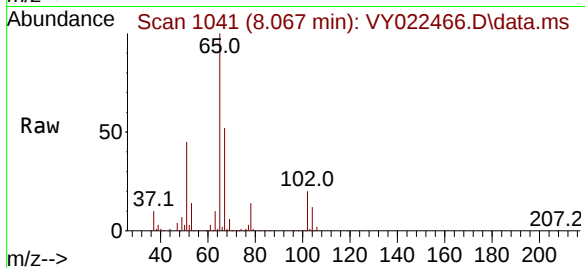
TP-51

Tgt Ion: 65 Resp: 155794

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

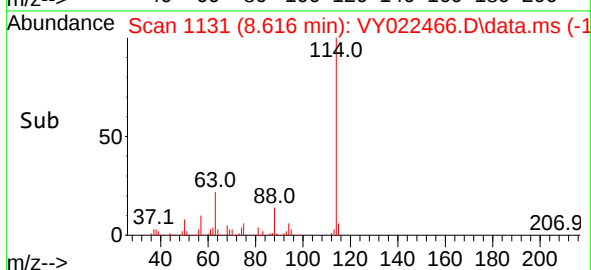
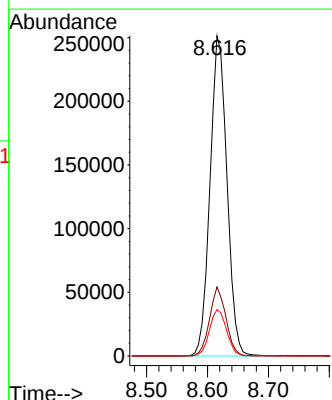
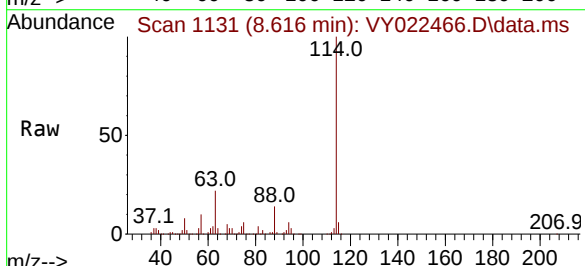
Tgt Ion: 114 Resp: 485834

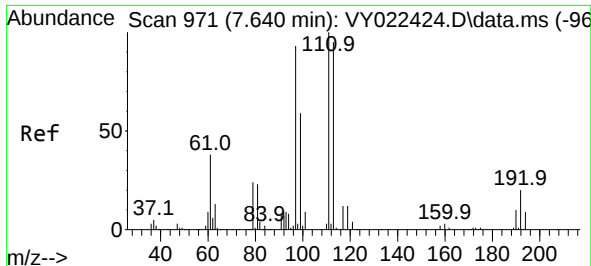
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

88 14.5 0.0 29.4

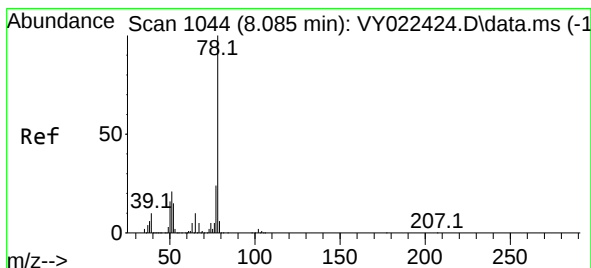
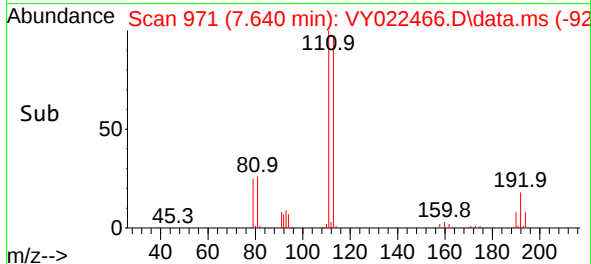
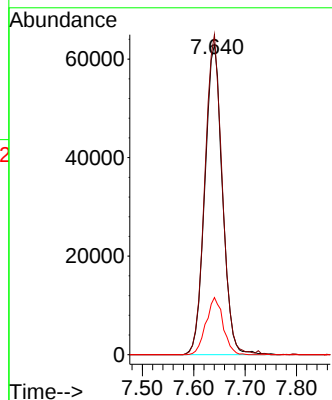
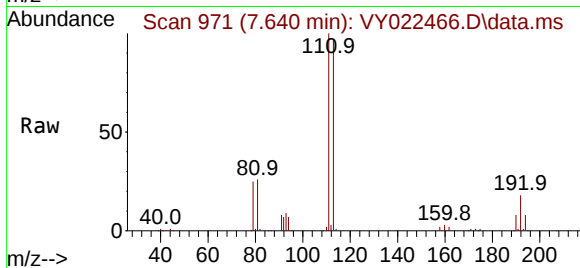




#35
Dibromofluoromethane
Concen: 52.377 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

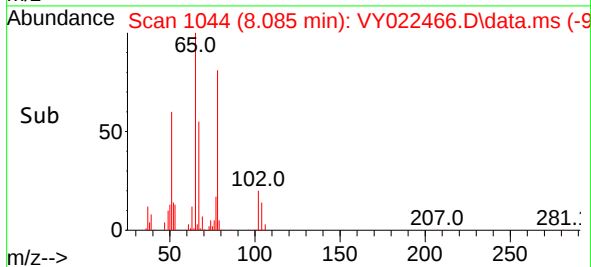
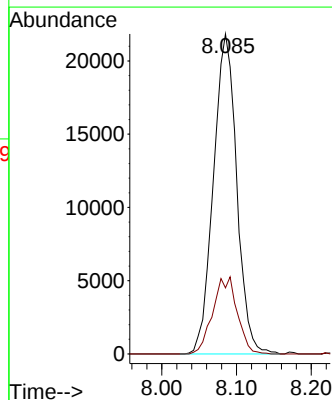
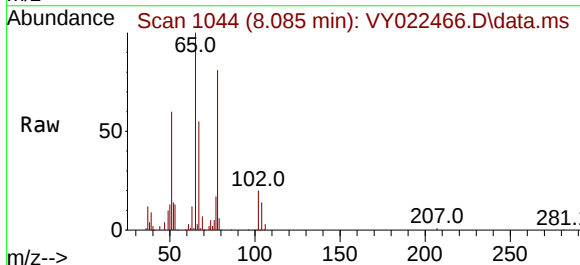
Instrument :
MSVOA_Y
ClientSampleId :
TP-51

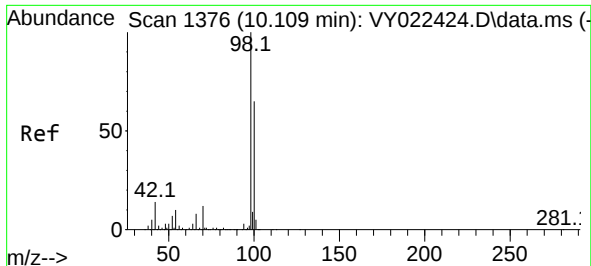
Tgt Ion:113 Resp: 149024
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 18.0 15.2 22.8



#40
Benzene
Concen: 3.526 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Tgt Ion: 78 Resp: 47372
Ion Ratio Lower Upper
78 100
77 20.7 19.4 29.2

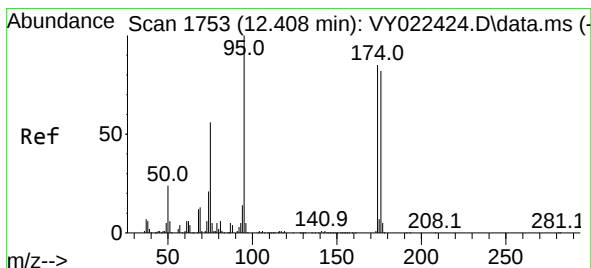
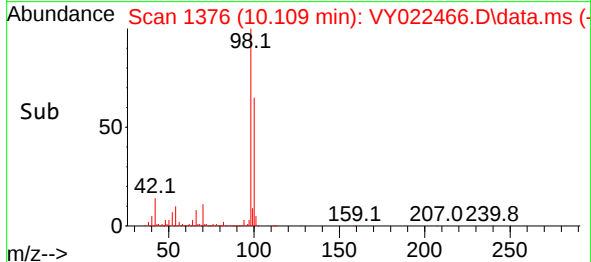
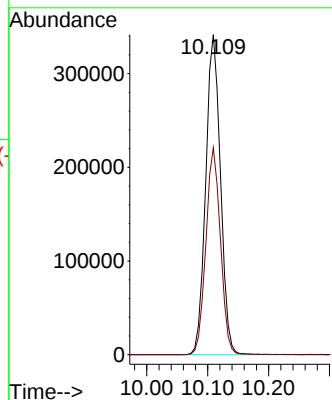
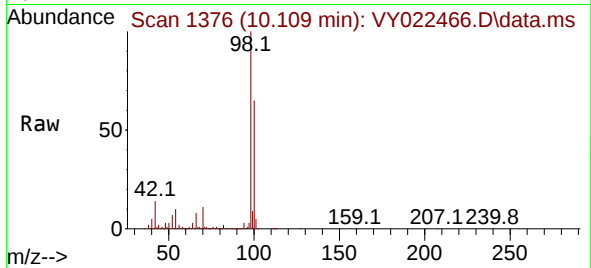




#50
Toluene-d8
Concen: 49.629 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

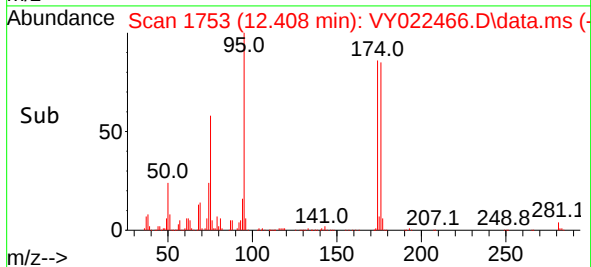
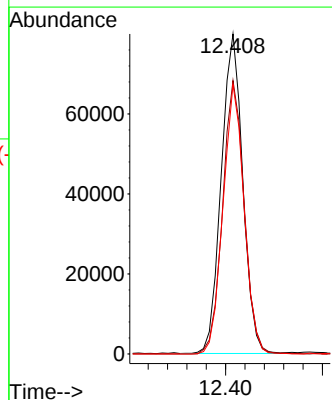
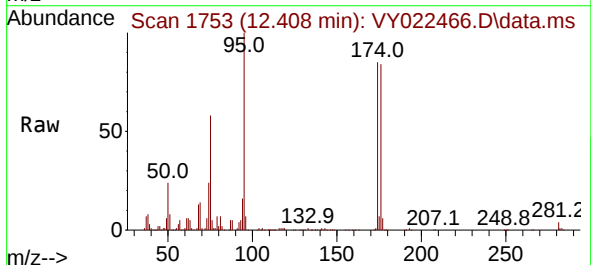
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ClientSampleId :
TP-51

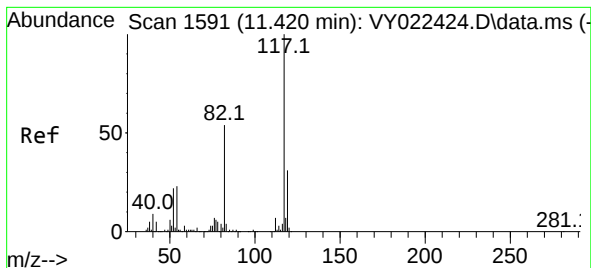
Tgt Ion: 98 Resp: 575624
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 35.039 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Tgt Ion: 95 Resp: 122932
Ion Ratio Lower Upper
95 100
174 85.7 0.0 171.6
176 82.6 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

TP-51

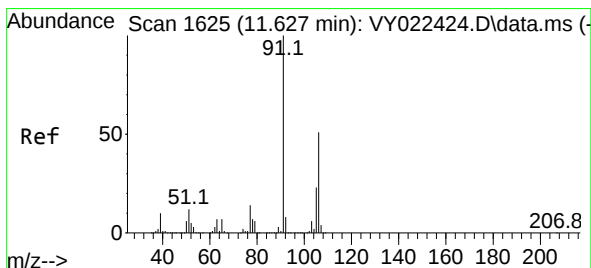
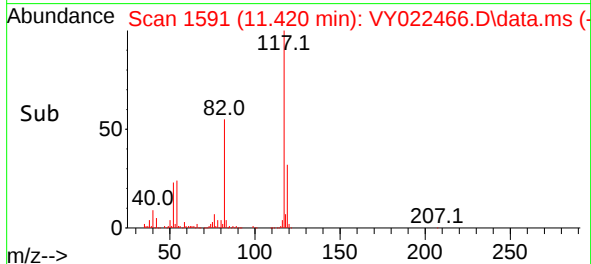
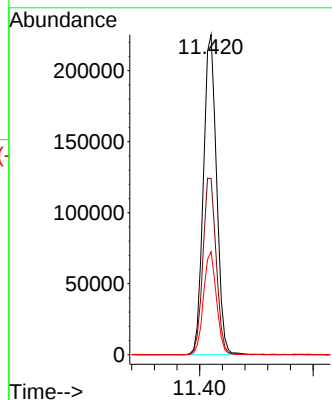
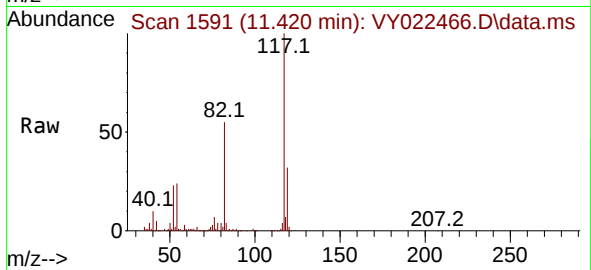
Tgt Ion:117 Resp: 362765

Ion Ratio Lower Upper

117 100

82 55.0 43.3 64.9

119 32.2 24.5 36.7



#68

m/p-Xylenes

Concen: 1.508 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY022466.D

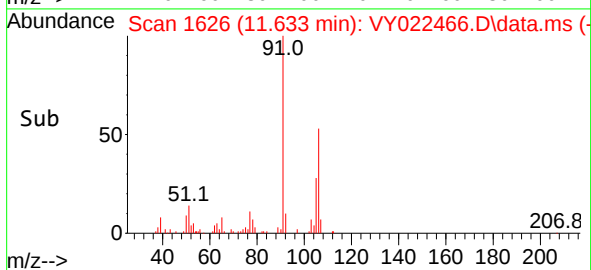
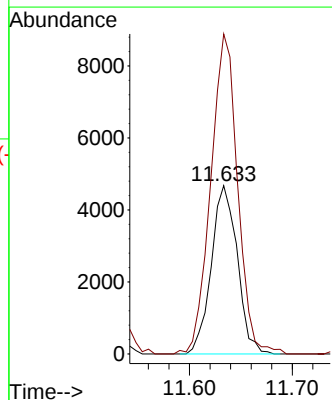
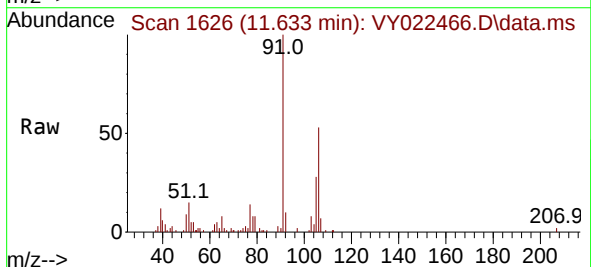
Acq: 29 May 2025 14:46

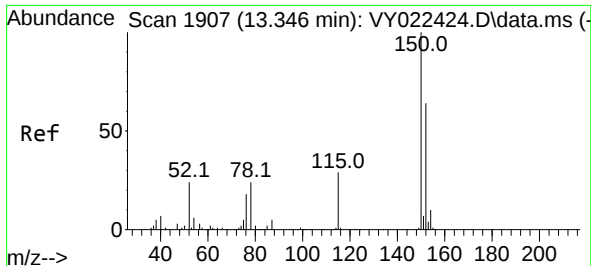
Tgt Ion:106 Resp: 8212

Ion Ratio Lower Upper

106 100

91 196.8 159.8 239.8

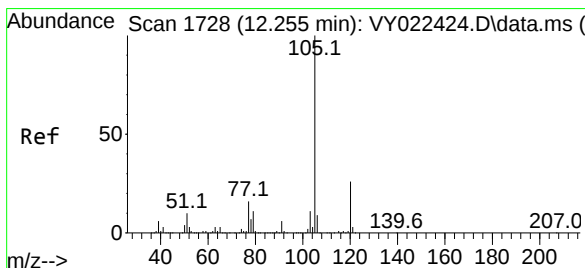
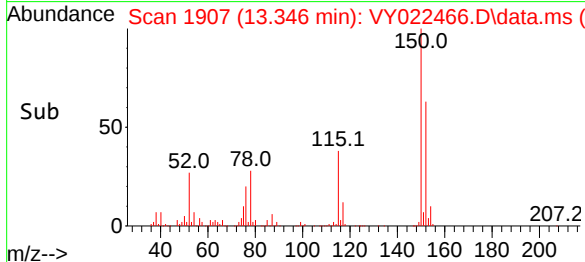
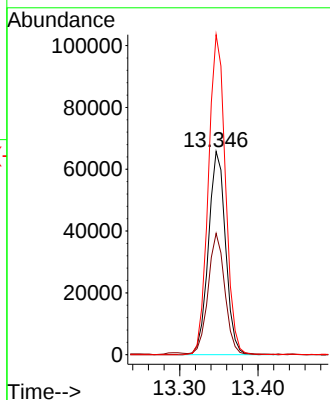
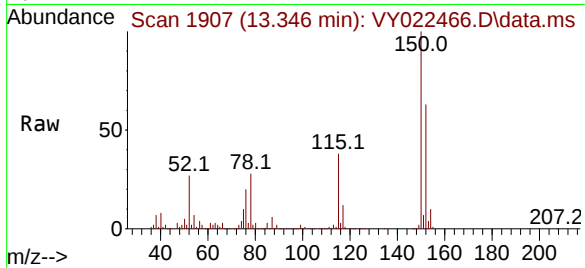




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022466.D
 Acq: 29 May 2025 14:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-51

Tgt Ion:152 Resp: 99703
 Ion Ratio Lower Upper
 152 100
 115 58.4 28.4 85.3
 150 156.5 0.0 345.8



#73
 Isopropylbenzene
 Concen: 3.596 ug/l
 RT: 12.255 min Scan# 1728
 Delta R.T. 0.000 min
 Lab File: VY022466.D
 Acq: 29 May 2025 14:46

Tgt Ion:105 Resp: 28214
 Ion Ratio Lower Upper
 105 100
 120 26.8 13.2 39.5

