

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)

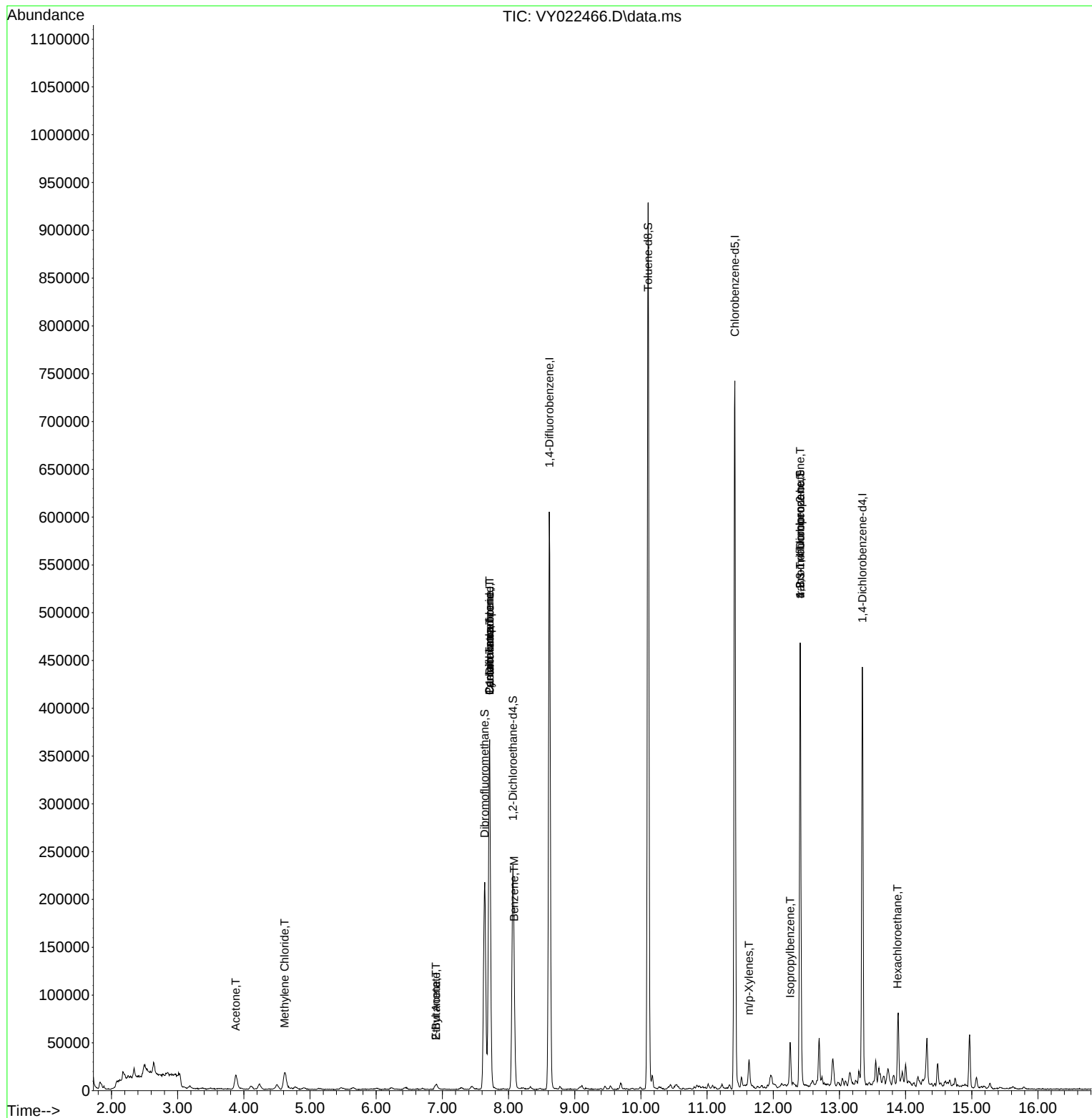
Internal Standards						
1) Pentafluorobenzene	7.713	168	266889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	485834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	362765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	99703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
31) Cyclohexane	7.713	56	7849	1.452	ug/l #	35
36) 1,1-Dichloropropene	7.713	75	23435	5.191	ug/l #	50
37) Ethyl Acetate	6.902	43	8812	4.593	ug/l #	68
38) Carbon Tetrachloride	7.713	117	27445	5.835	ug/l #	16
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
76) 1,2,3-Trichloropropane	12.408	75	73578	73.675	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	73578	166.612	ug/l #	12
90) Hexachloroethane	13.877	117	2474	1.812	ug/l #	15

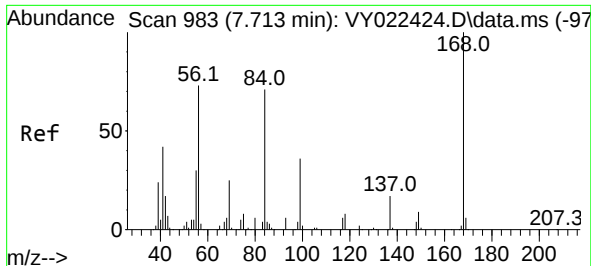
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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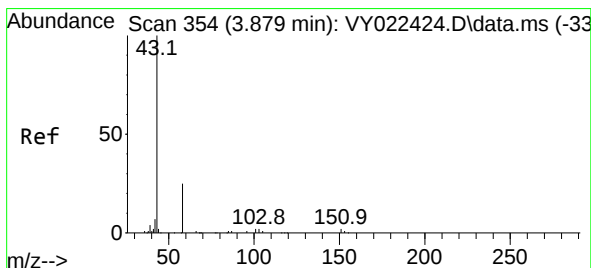
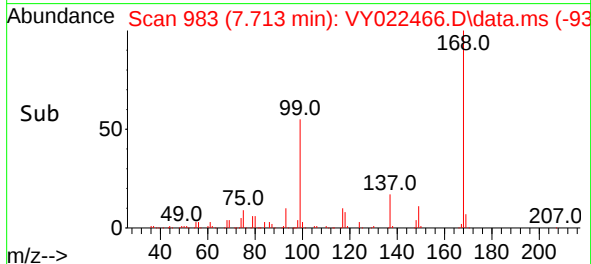
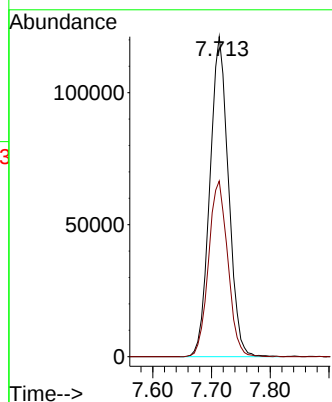
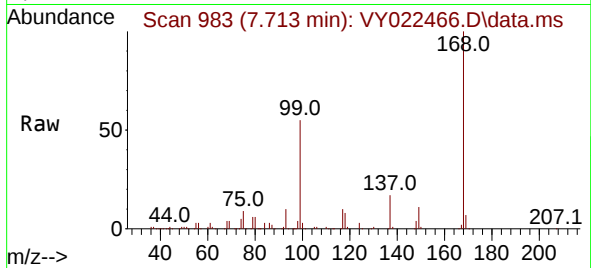




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

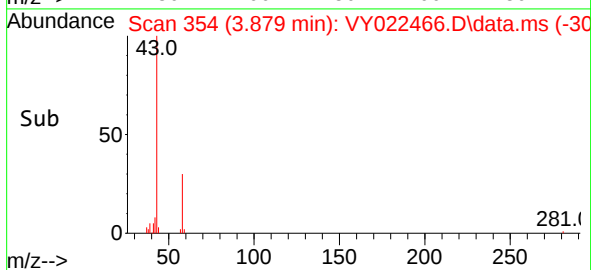
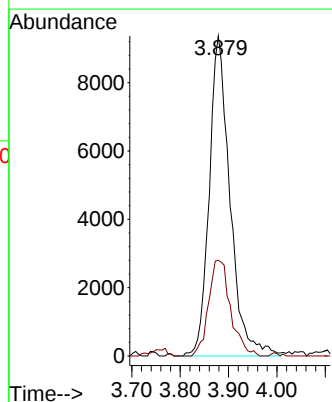
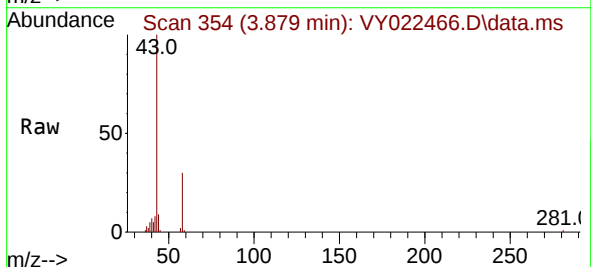
Instrument :
MSVOA_Y
ClientSampleId :
TP-51

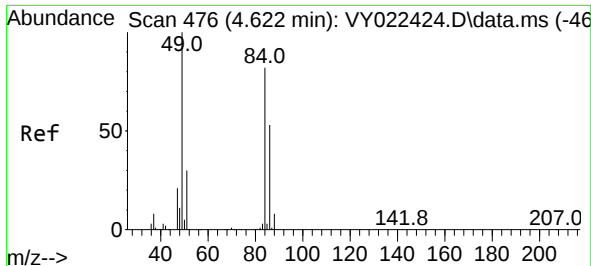
Tgt Ion:168 Resp: 266889
Ion Ratio Lower Upper
168 100
99 54.9 44.7 67.1



#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

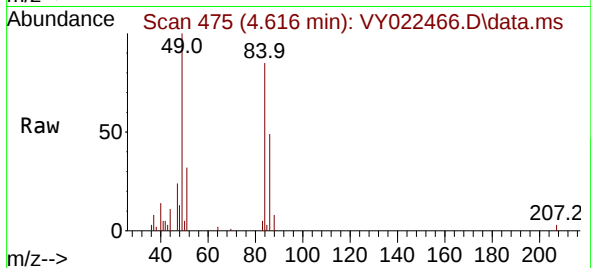
Acq: 29 May 2025 14:46

Instrument :

MSVOA_Y

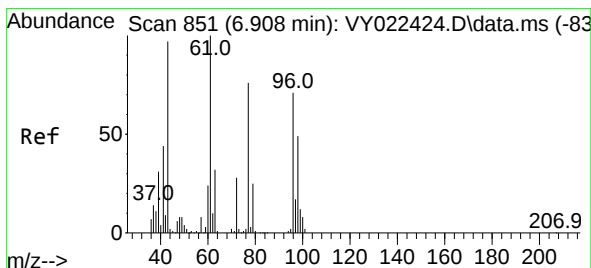
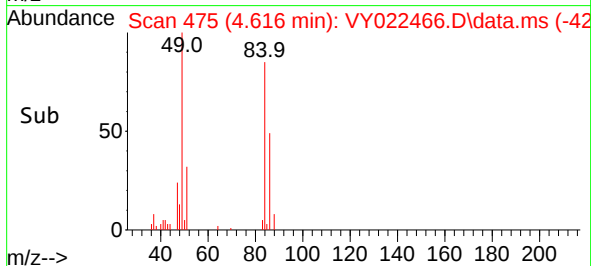
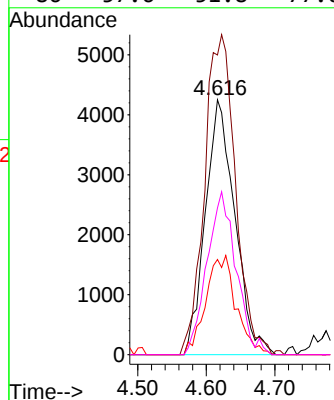
ClientSampleId :

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

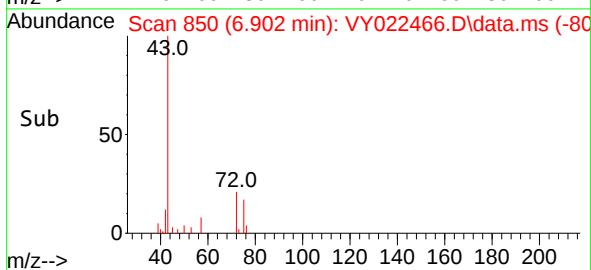
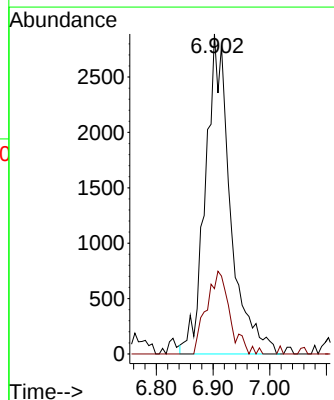
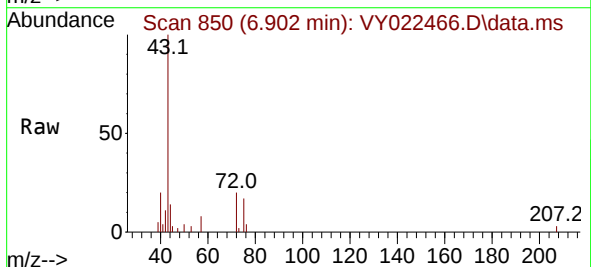
Delta R.T. -0.006 min

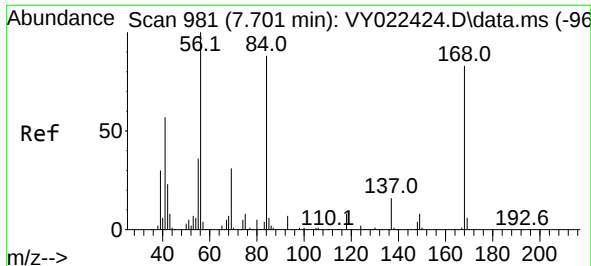
Lab File: VY022466.D

Acq: 29 May 2025 14:46

Tgt Ion: 43 Resp: 8812

Ion	Ratio	Lower	Upper
43	100		
72	20.4	22.8	34.2#

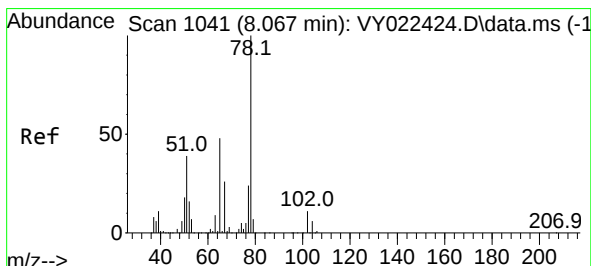
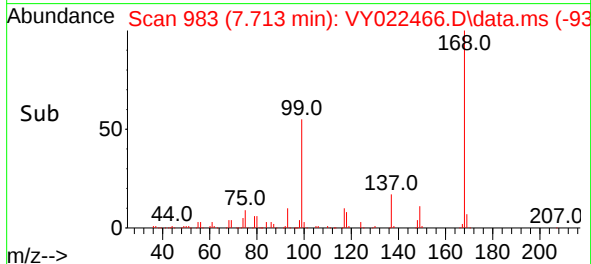
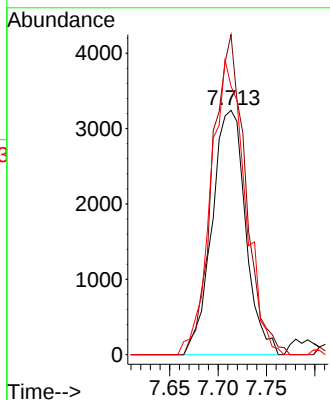
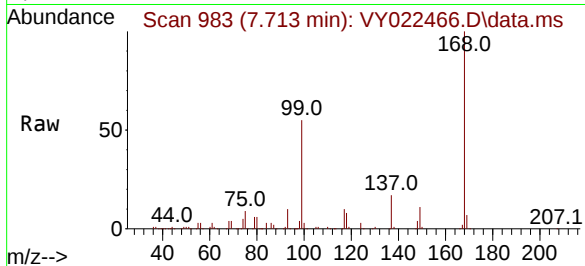




#31
Cyclohexane
Concen: 1.452 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

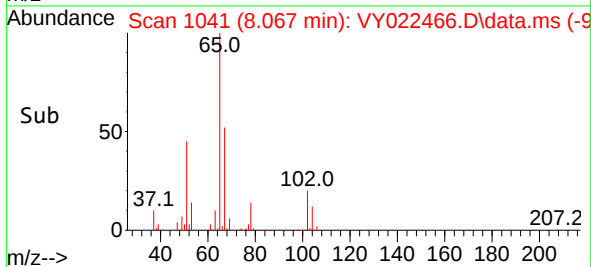
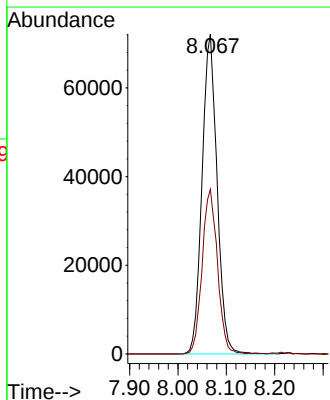
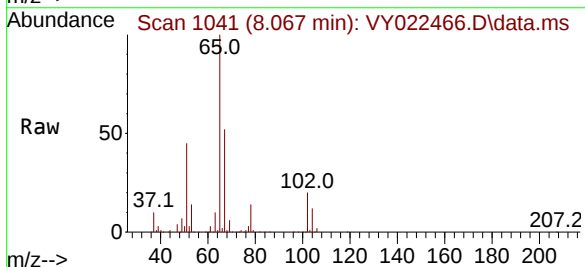
Instrument :
MSVOA_Y
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TP-51

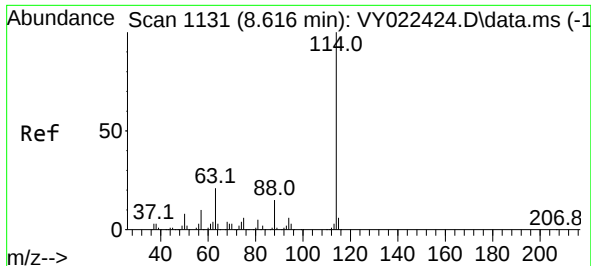
Tgt Ion: 56 Resp: 7849
Ion Ratio Lower Upper
56 100
69 130.9 24.6 36.8#
84 109.8 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 55.420 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

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

Instrument :

MSVOA_Y

ClientSampleId :

TP-51

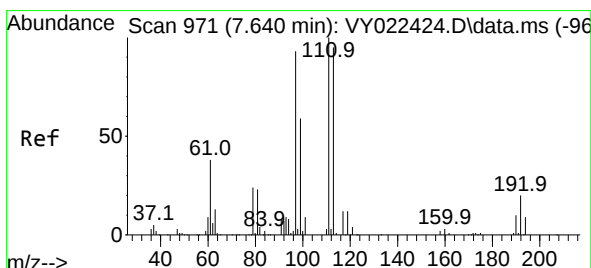
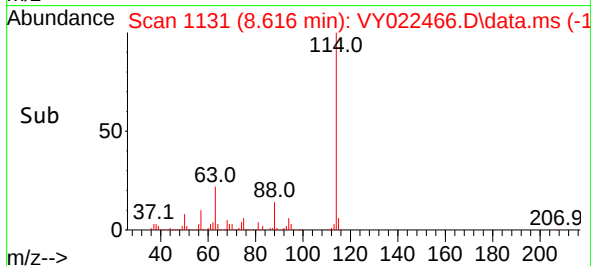
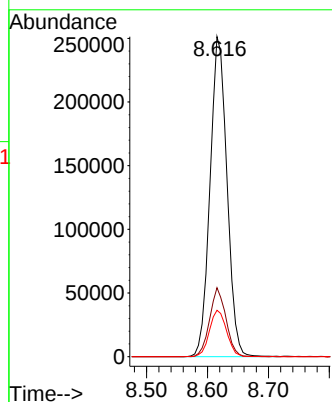
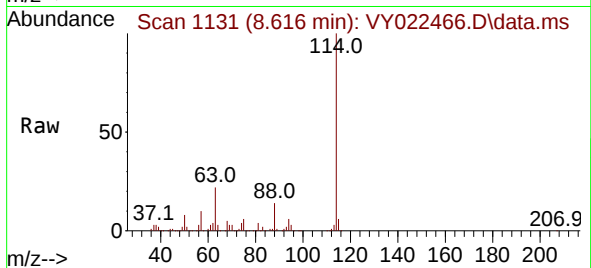
Tgt Ion:114 Resp: 485834

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# 971

Delta R.T. 0.000 min

Lab File: VY022466.D

Acq: 29 May 2025 14:46

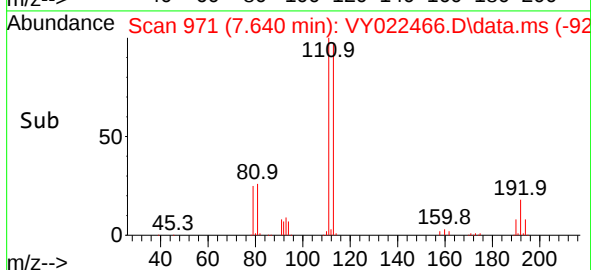
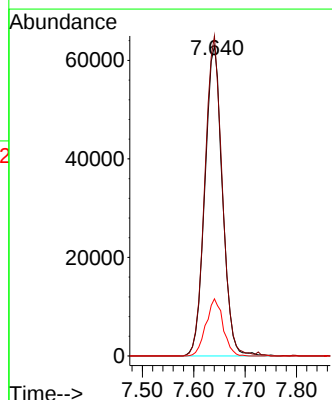
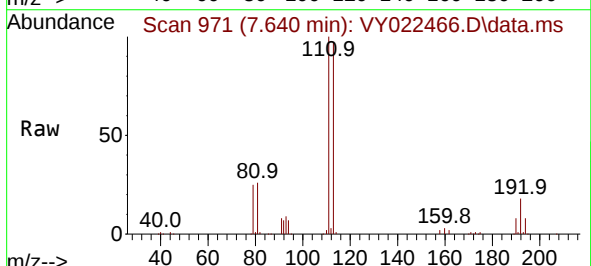
Tgt Ion:113 Resp: 149024

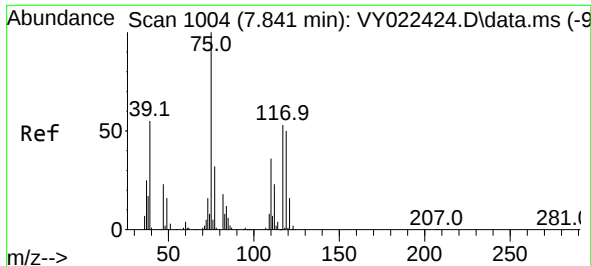
Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

192 18.0 15.2 22.8

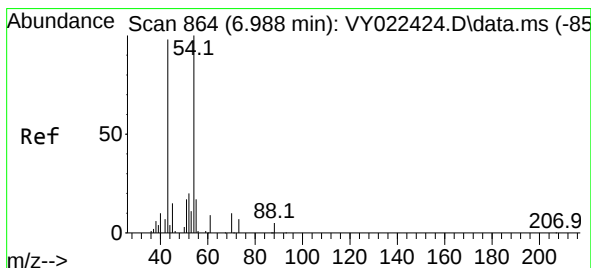
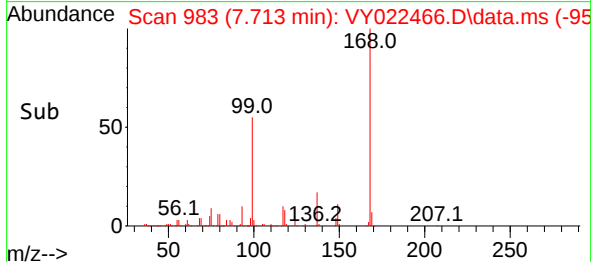
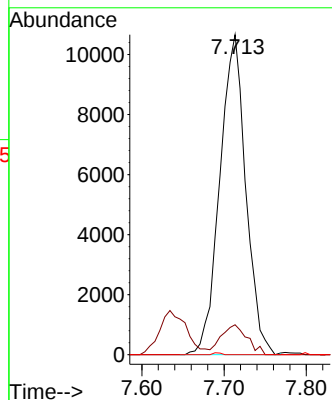
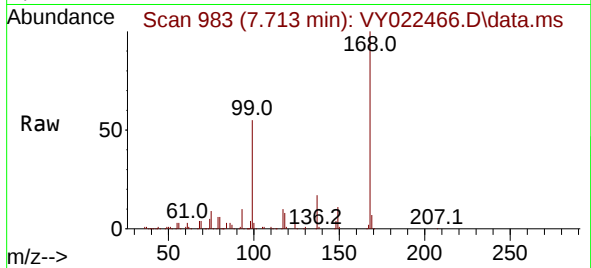




#36
 1,1-Dichloropropene
 Concen: 5.191 ug/l
 RT: 7.713 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY022466.D
 Acq: 29 May 2025 14:46

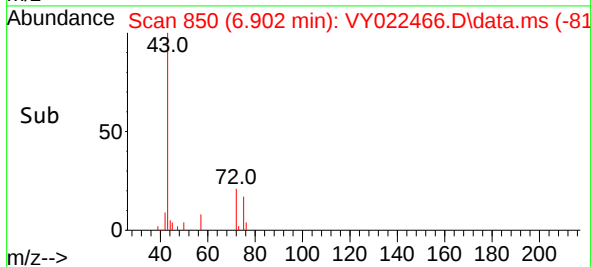
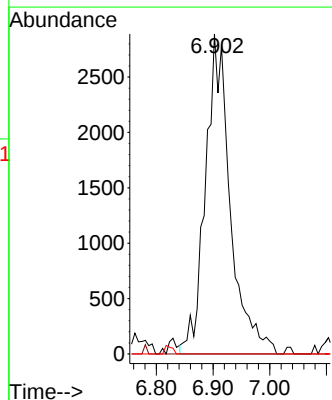
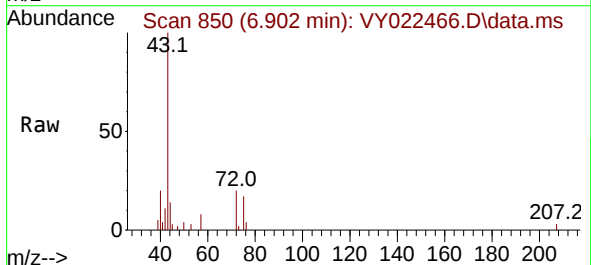
Instrument :
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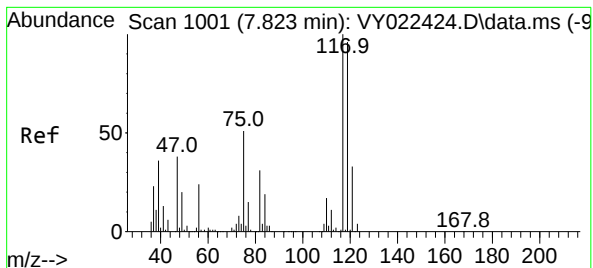
Tgt Ion: 75 Resp: 23435
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.1 51.2#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 4.593 ug/l
 RT: 6.902 min Scan# 850
 Delta R.T. -0.085 min
 Lab File: VY022466.D
 Acq: 29 May 2025 14:46

Tgt Ion: 43 Resp: 8812
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.7 17.5#
 70 0.0 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 5.835 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY022466.D

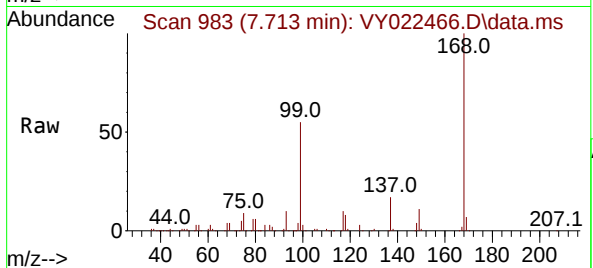
Acq: 29 May 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

TP-51



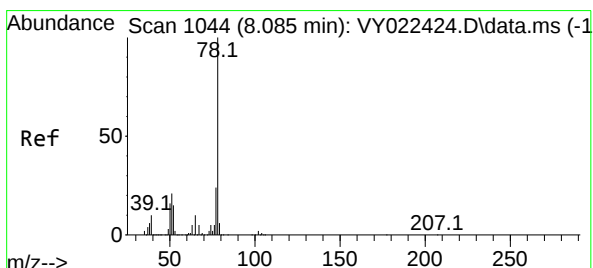
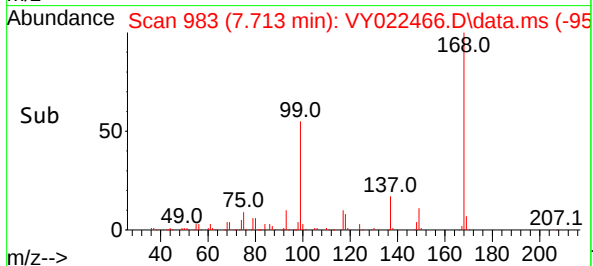
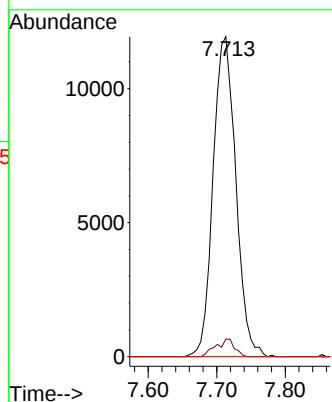
Tgt Ion:117 Resp: 27445

Ion Ratio Lower Upper

117 100

119 5.5 76.3 114.5#

121 0.0 26.1 39.1#



#40

Benzene

Concen: 3.526 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VY022466.D

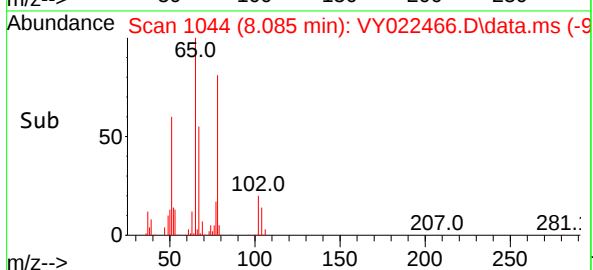
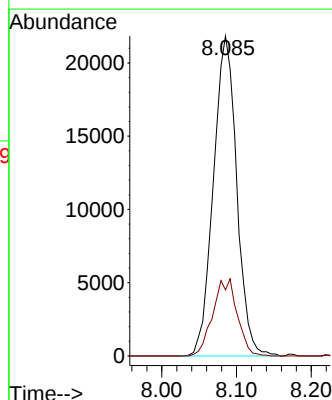
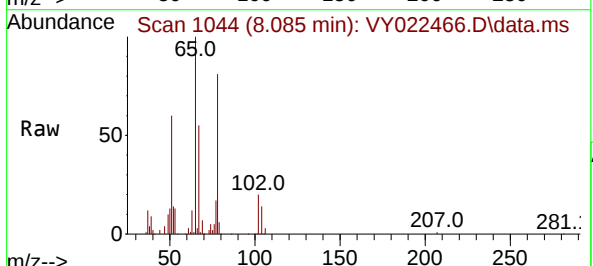
Acq: 29 May 2025 14:46

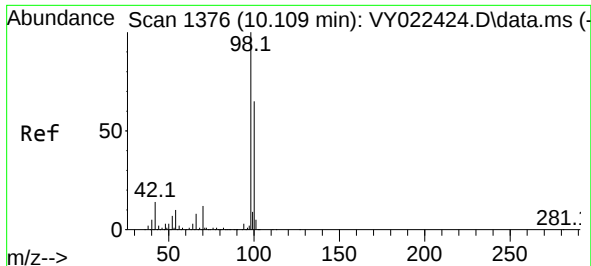
Tgt Ion: 78 Resp: 47372

Ion Ratio Lower Upper

78 100

77 20.7 19.4 29.2

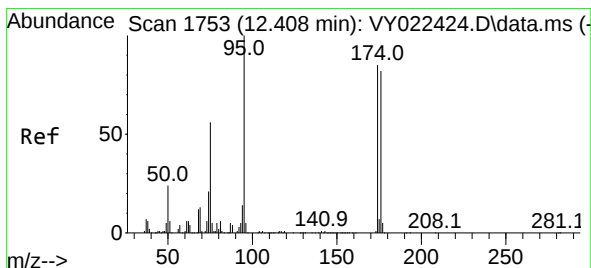
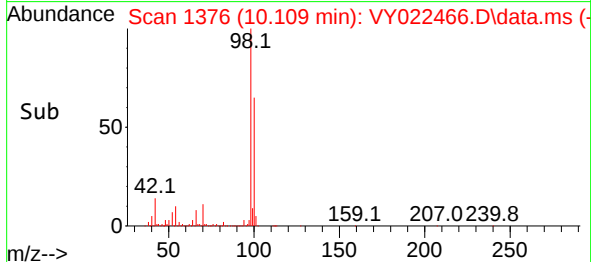
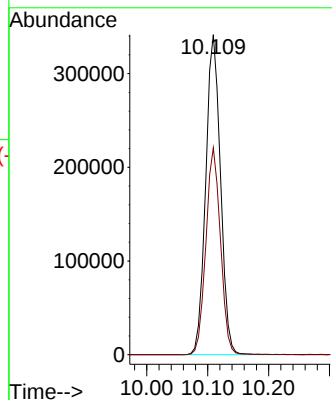
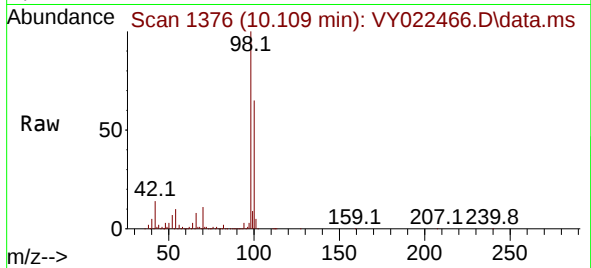




#50
Toluene-d8
Concen: 49.629 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

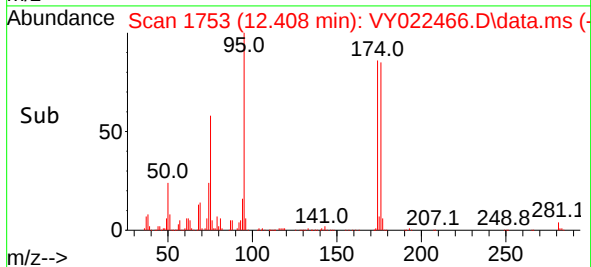
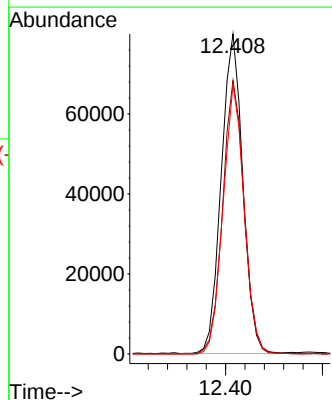
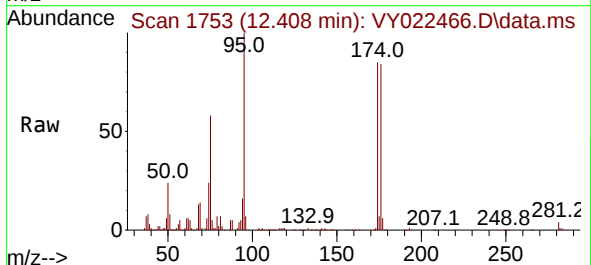
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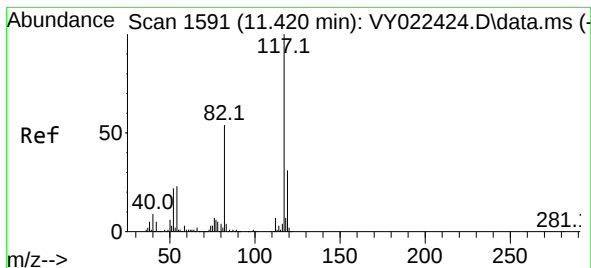
Tgt Ion: 98 Resp: 575624
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.2



#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

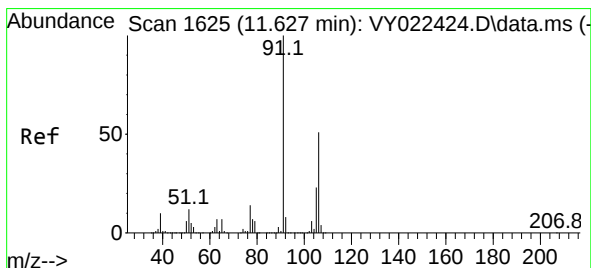
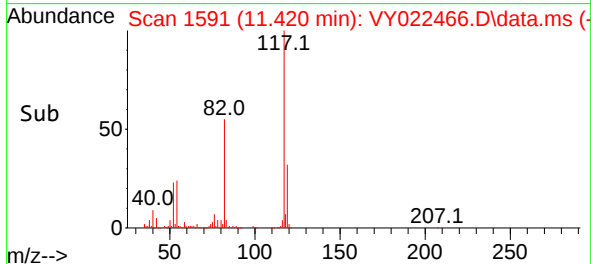
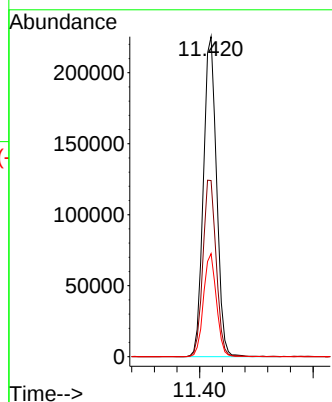
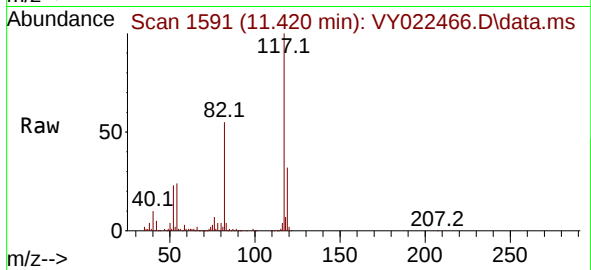




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

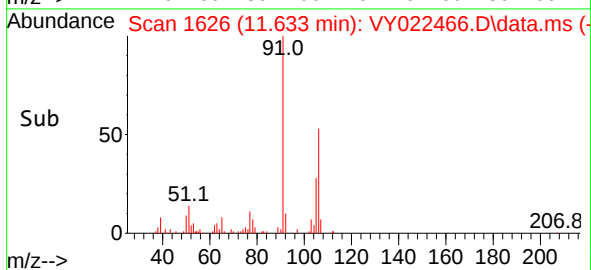
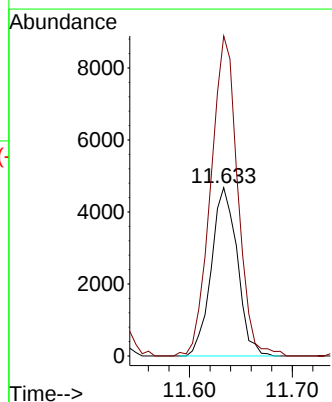
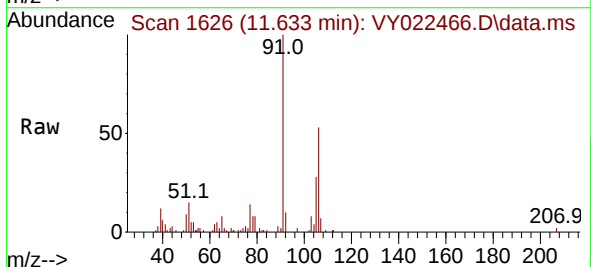
Instrument :
MSVOA_Y
ClientSampleId :
TP-51

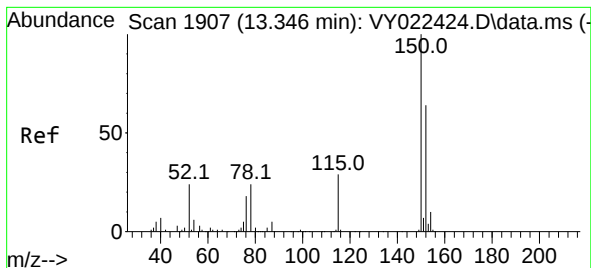
Tgt Ion:117 Resp: 362765
Ion Ratio Lower Upper
117 100
82 55.0 43.3 64.9
119 32.2 24.5 36.7



#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

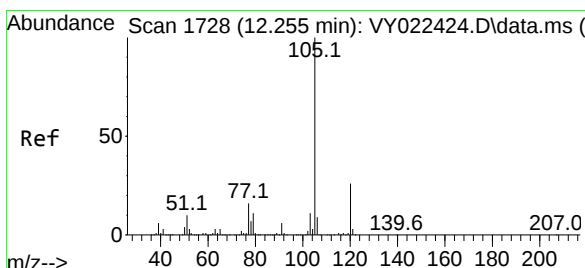
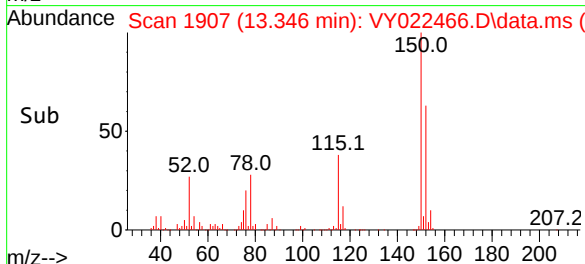
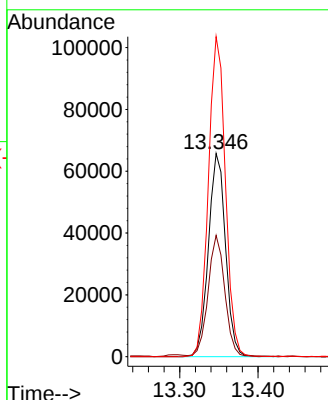
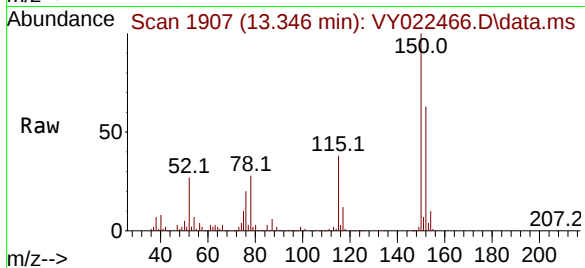
Tgt Ion:152 Resp: 99703

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

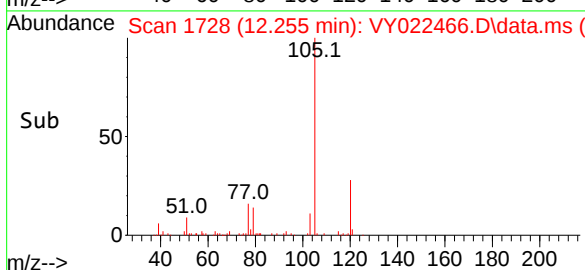
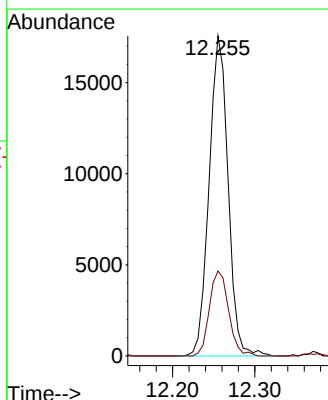
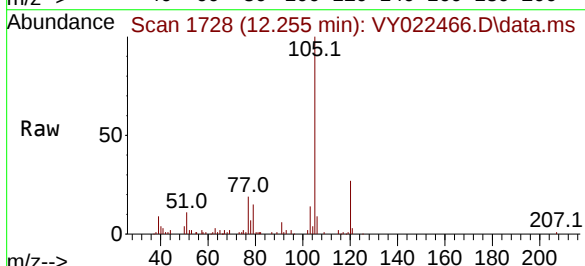
Acq: 29 May 2025 14:46

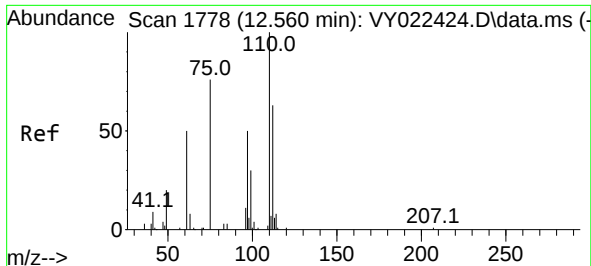
Tgt Ion:105 Resp: 28214

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.5

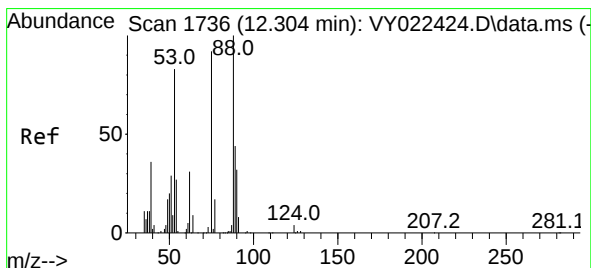
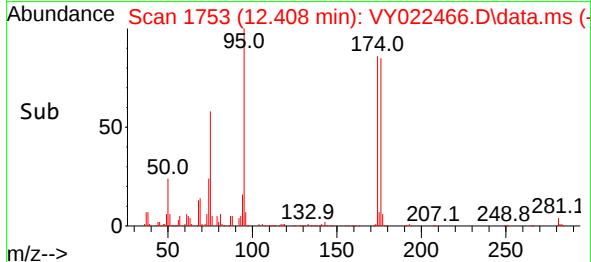
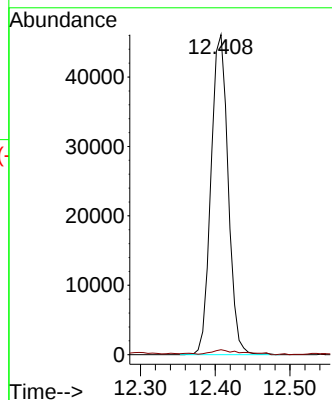
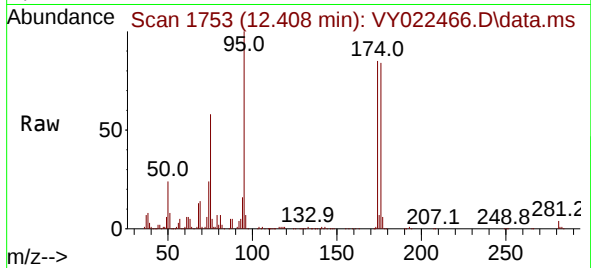




#76
1,2,3-Trichloropropane
Concen: 73.675 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

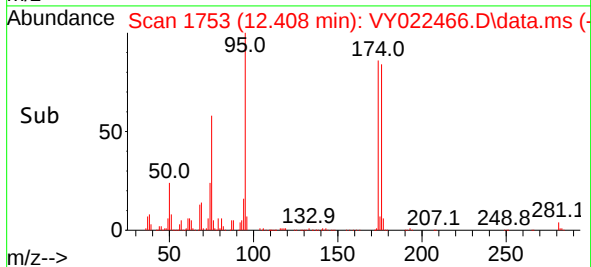
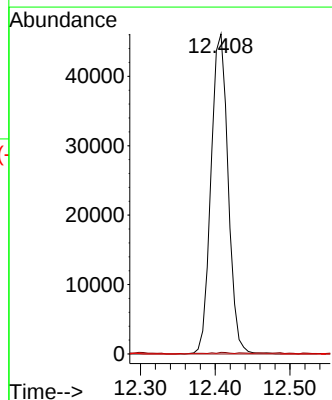
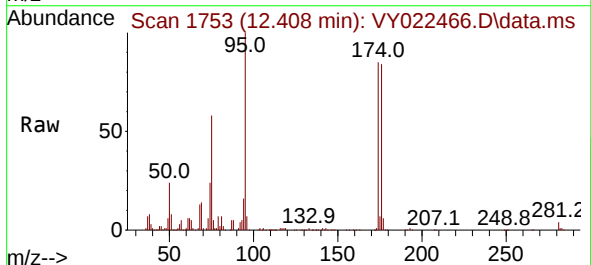
Instrument :
MSVOA_Y
ClientSampleId :
TP-51

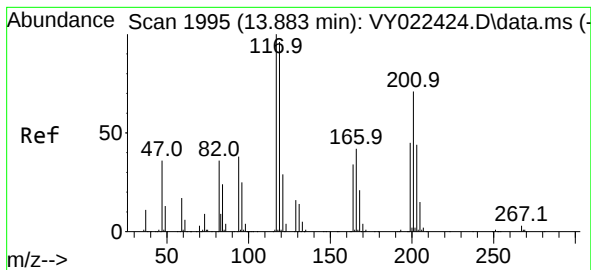
Tgt Ion: 75 Resp: 73578
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 166.612 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022466.D
Acq: 29 May 2025 14:46

Tgt Ion: 75 Resp: 73578
Ion Ratio Lower Upper
75 100
53 0.7 75.1 112.7#
89 0.0 37.4 56.0#





#90
 Hexachloroethane
 Concen: 1.812 ug/l
 RT: 13.877 min Scan# 1994
 Delta R.T. -0.006 min
 Lab File: VY022466.D
 Acq: 29 May 2025 14:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-51

Tgt Ion:117 Resp: 2474
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.0 105.0#

