

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050825\
 Data File : VY022206.D
 Acq On : 08 May 2025 13:32
 Operator : SY/MD
 Sample : Q1982-02
 Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2B

Quant Time: May 09 05:06:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

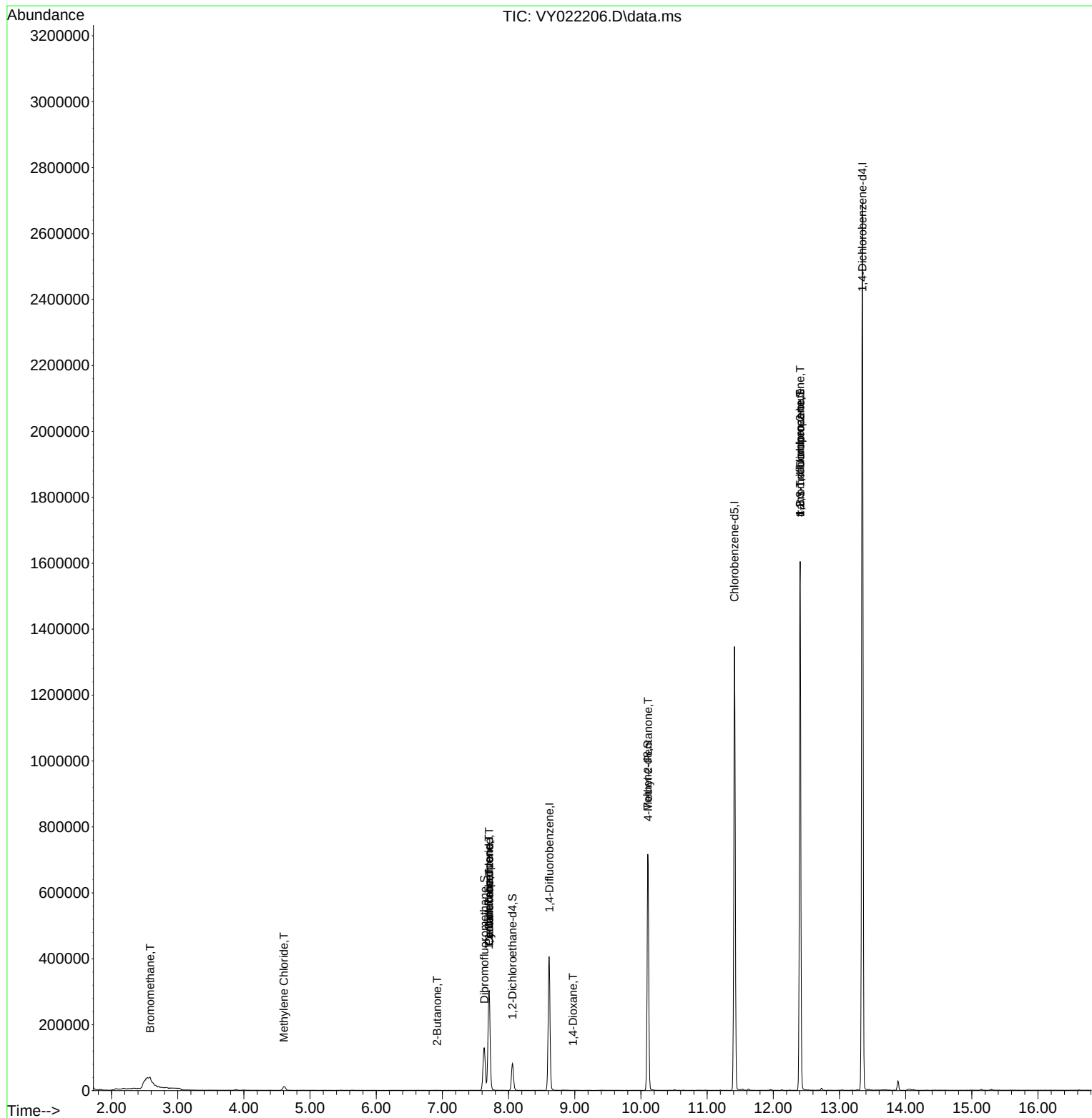
Internal Standards						
1) Pentafluorobenzene	7.707	168	232614	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	358204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	723281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	658417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	63905	29.742	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	59.480%
35) Dibromofluoromethane	7.634	113	93603	39.554	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.100%
50) Toluene-d8	10.103	98	466712	52.312	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.620%
62) 4-Bromofluorobenzene	12.407	95	483932	161.129	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	322.260%#
Target Compounds			Qvalue			
5) Bromomethane	2.586	94	5239	1.753	ug/l	94
16) Acetone	3.872	43	3940	Below Cal	#	78
20) Methylene Chloride	4.604	84	9047	3.330	ug/l #	92
25) 2-Butanone	6.920	43	551	1.125	ug/l #	41
31) Cyclohexane	7.707	56	4357	1.227	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	18033	5.673	ug/l #	48
38) Carbon Tetrachloride	7.707	117	23704	6.240	ug/l #	17
49) 1,4-Dioxane	8.975	88	61	4.160	ug/l #	28
51) 4-Methyl-2-Pentanone	10.109	43	1710	1.488	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	240458	42.637	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	240458	102.676	ug/l #	16

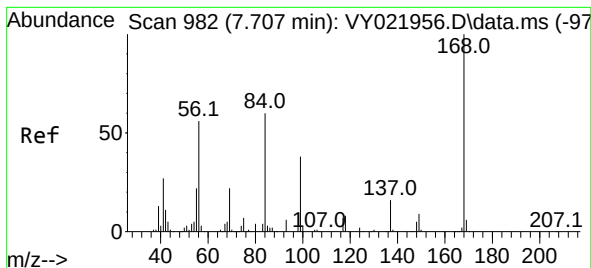
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050825\
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

Quant Time: May 09 05:06:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 99

Delta R.T. -0.000 min

Lab File: VY022206.D

Acq: 08 May 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

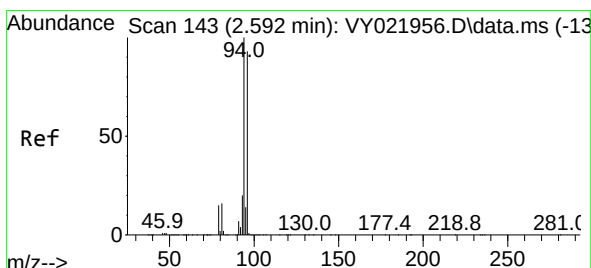
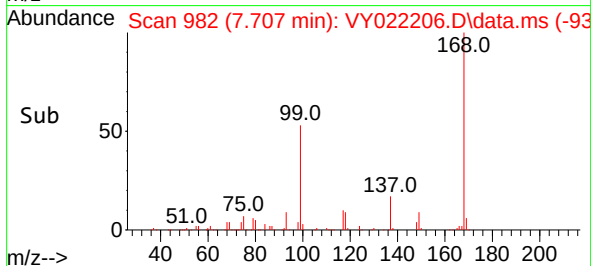
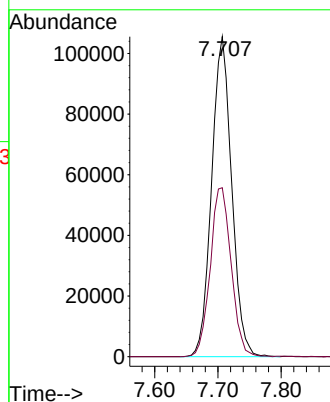
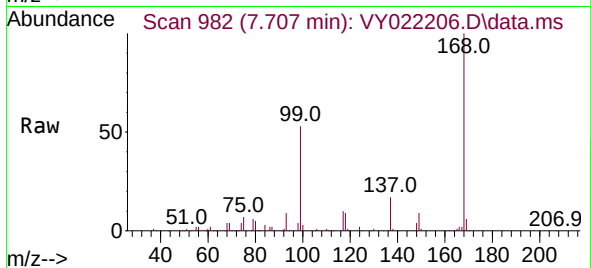
TP-2B

Tgt Ion:168 Resp: 232614

Ion Ratio Lower Upper

168 100

99 52.8 43.1 64.7



#5

Bromomethane

Concen: 1.753 ug/l

RT: 2.586 min Scan# 142

Delta R.T. -0.006 min

Lab File: VY022206.D

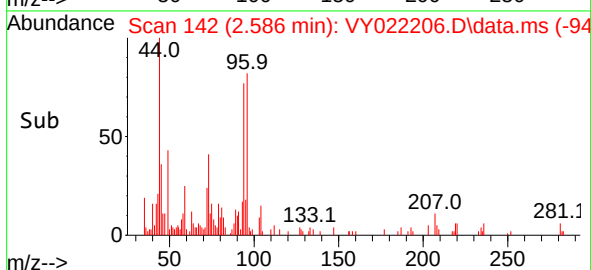
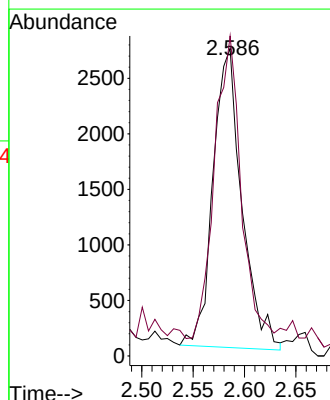
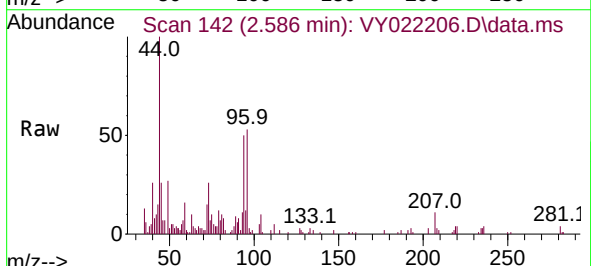
Acq: 08 May 2025 13:32

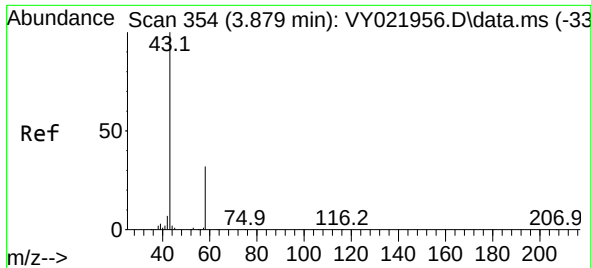
Tgt Ion: 94 Resp: 5239

Ion Ratio Lower Upper

94 100

96 99.3 74.6 111.8

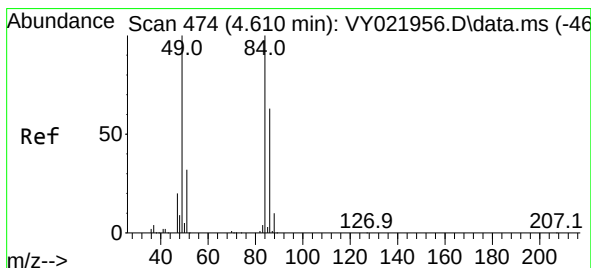
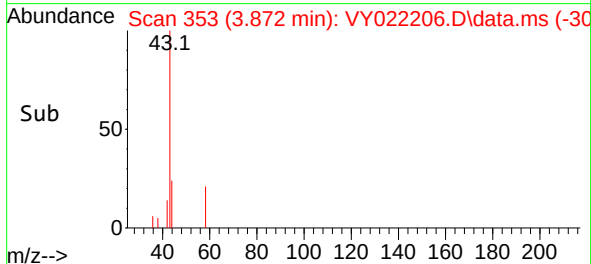
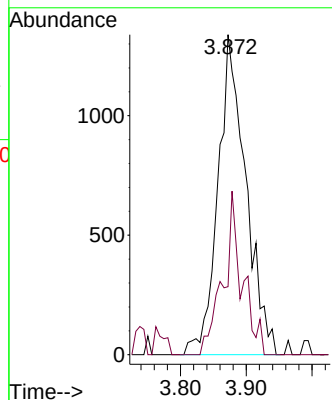
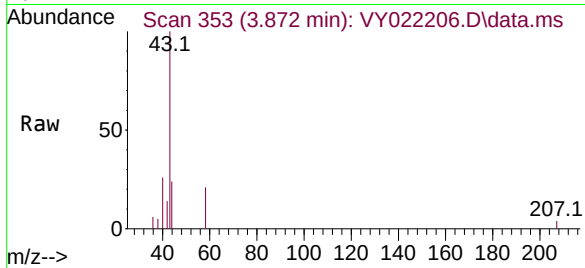




#16
Acetone
Concen: Below Cal
RT: 3.872 min Scan# 316
Delta R.T. -0.007 min
Lab File: VY022206.D
Acq: 08 May 2025 13:32

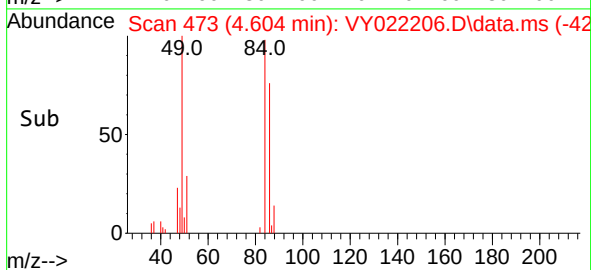
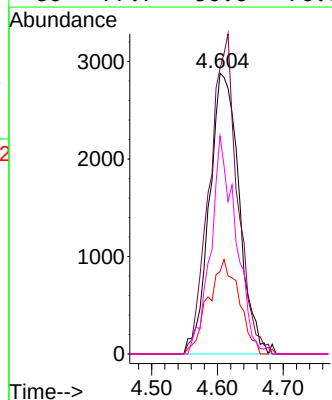
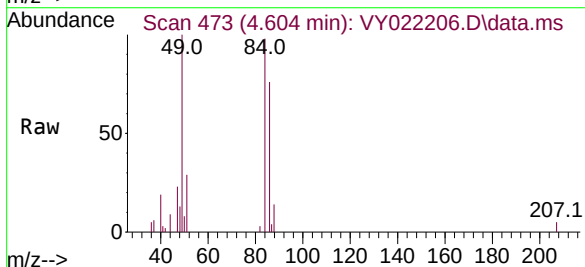
Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

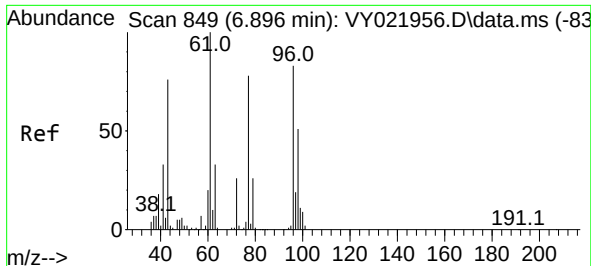
Tgt Ion: 43 Resp: 3940
Ion Ratio Lower Upper
43 100
58 21.3 27.0 40.4#



#20
Methylene Chloride
Concen: 3.330 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY022206.D
Acq: 08 May 2025 13:32

Tgt Ion: 84 Resp: 9047
Ion Ratio Lower Upper
84 100
49 101.7 79.9 119.9
51 29.3 25.4 38.0
86 77.7 50.6 76.0#





#25

2-Butanone

Concen: 1.125 ug/l

RT: 6.920 min Scan# 81

Delta R.T. 0.024 min

Lab File: VY022206.D

Acq: 08 May 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

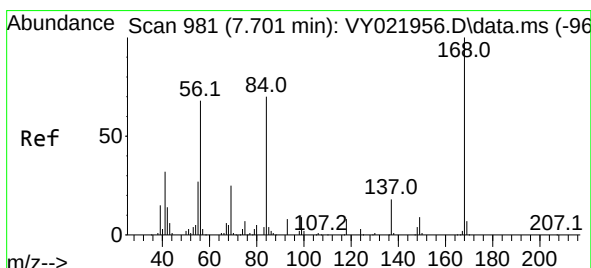
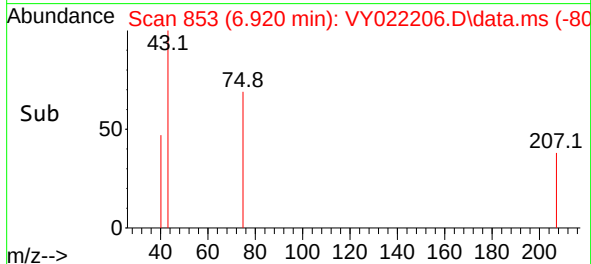
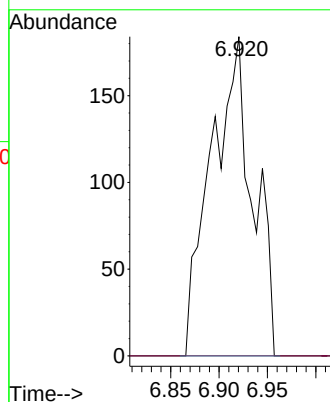
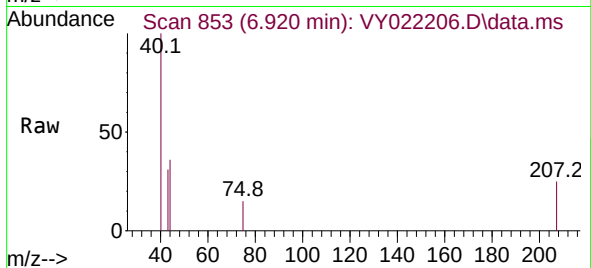
TP-2B

Tgt Ion: 43 Resp: 551

Ion Ratio Lower Upper

43 100

72 0.0 27.0 40.4#



#31

Cyclohexane

Concen: 1.227 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY022206.D

Acq: 08 May 2025 13:32

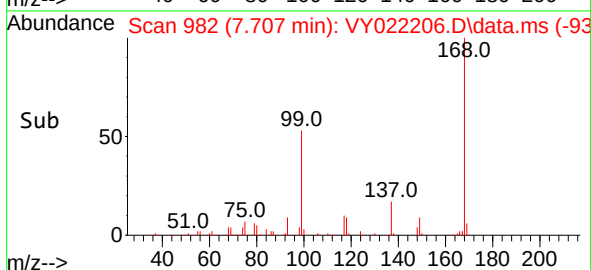
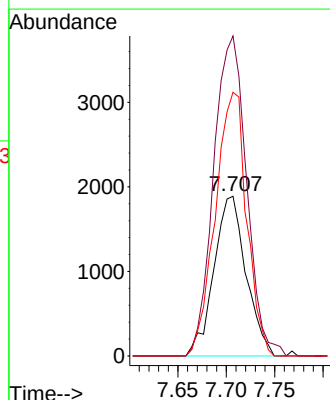
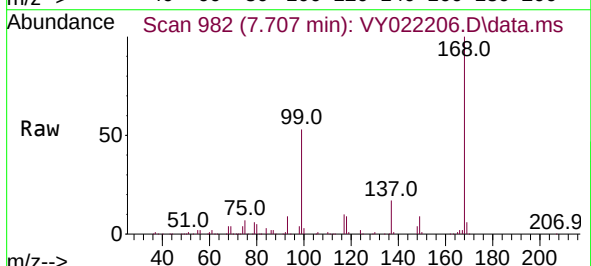
Tgt Ion: 56 Resp: 4357

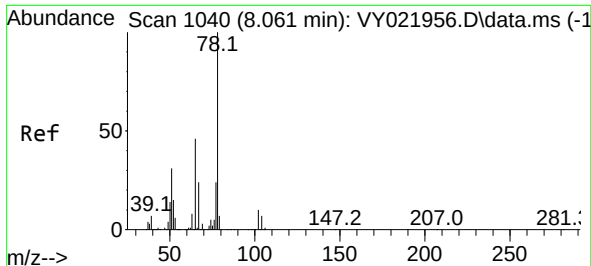
Ion Ratio Lower Upper

56 100

69 200.3 29.4 44.2#

84 165.0 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 29.742 ug/l

RT: 8.060 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022206.D

Acq: 08 May 2025 13:32

Instrument :

MSVOA_Y

ClientSampleId :

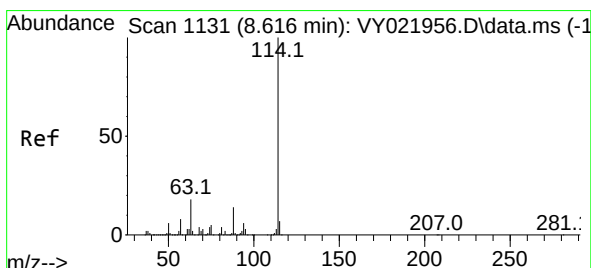
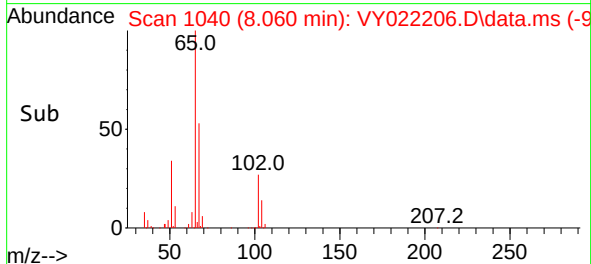
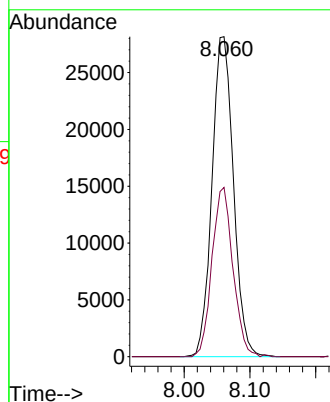
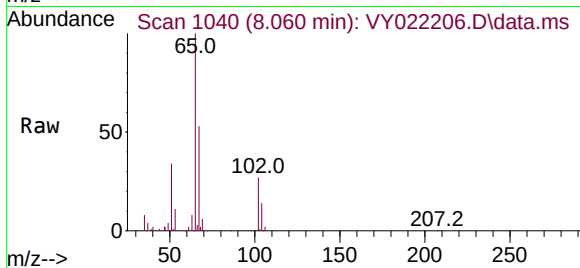
TP-2B

Tgt Ion: 65 Resp: 63905

Ion Ratio Lower Upper

65 100

67 51.8 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022206.D

Acq: 08 May 2025 13:32

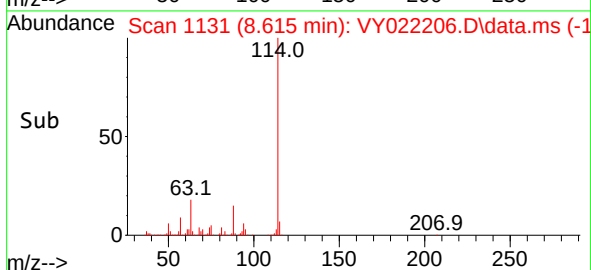
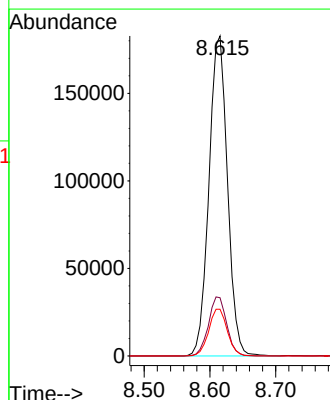
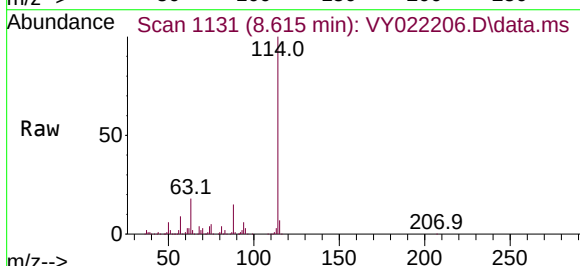
Tgt Ion:114 Resp: 358204

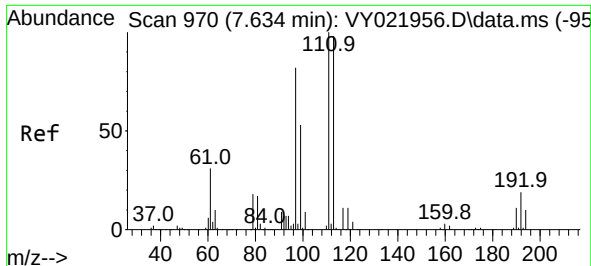
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.4

88 14.6 0.0 28.2

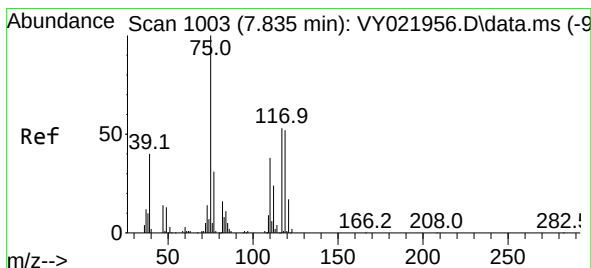
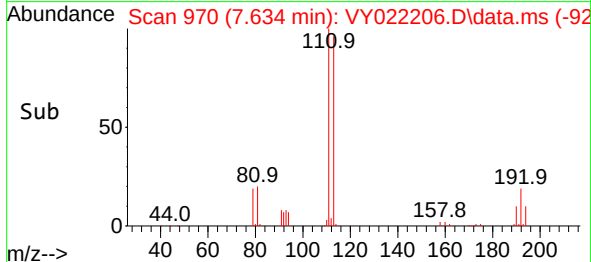
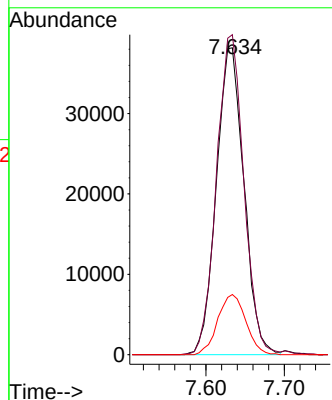
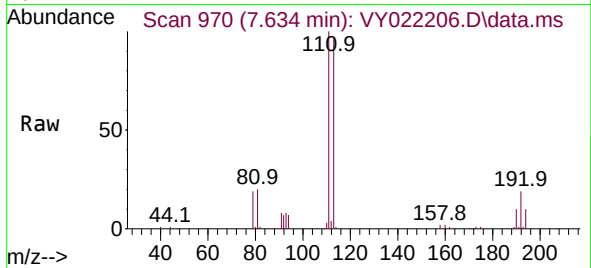




#35
Dibromofluoromethane
Concen: 39.554 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022206.D
Acq: 08 May 2025 13:32

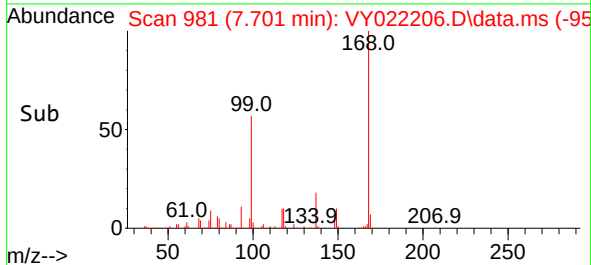
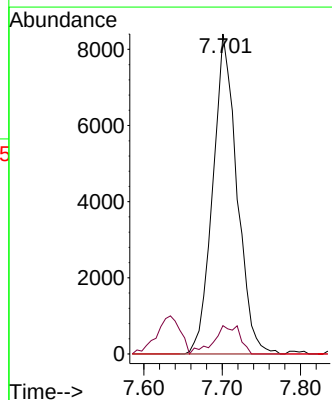
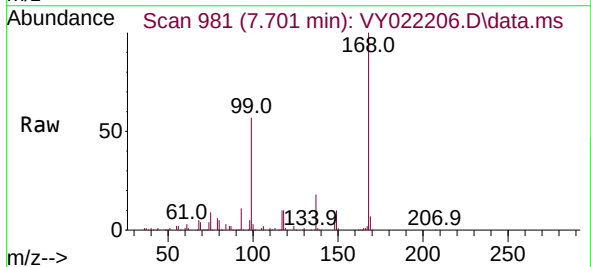
Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

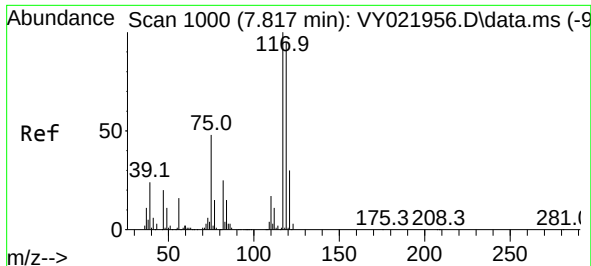
Tgt Ion:113 Resp: 93603
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.8
192 19.9 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.673 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.135 min
Lab File: VY022206.D
Acq: 08 May 2025 13:32

Tgt Ion: 75 Resp: 18033
Ion Ratio Lower Upper
75 100
110 9.0 19.1 57.3#
77 0.0 25.5 38.3#

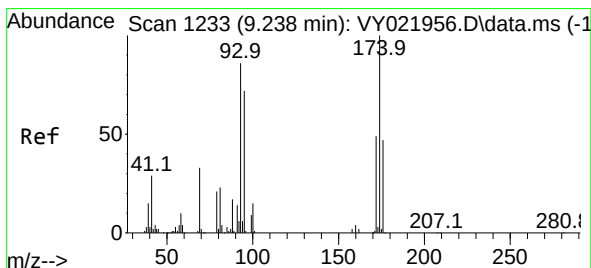
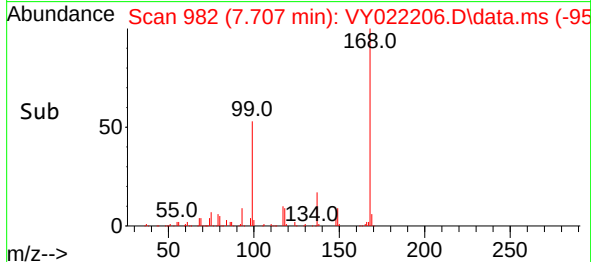
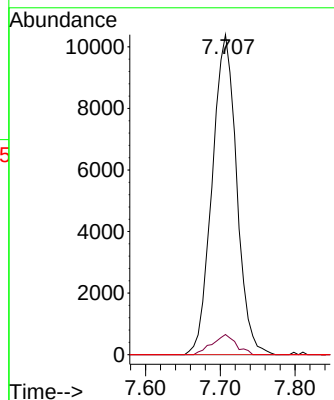
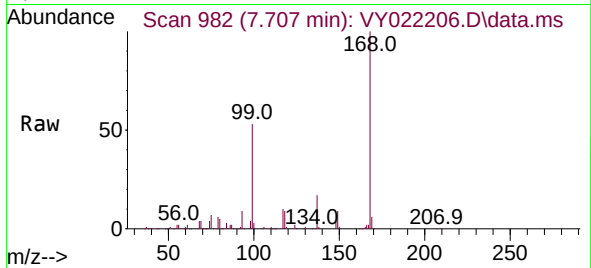




#38
Carbon Tetrachloride
Concen: 6.240 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022206.D
Acq: 08 May 2025 13:32

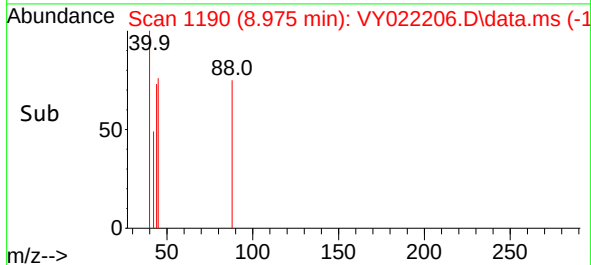
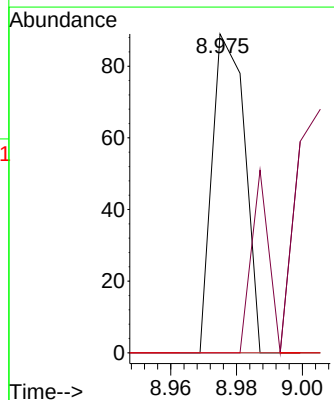
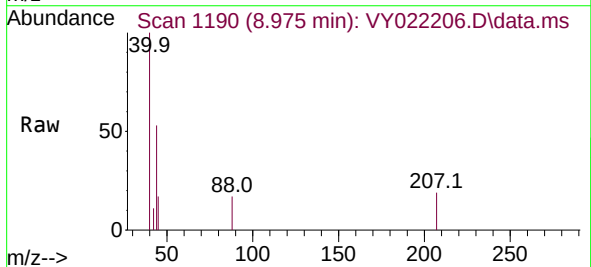
Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

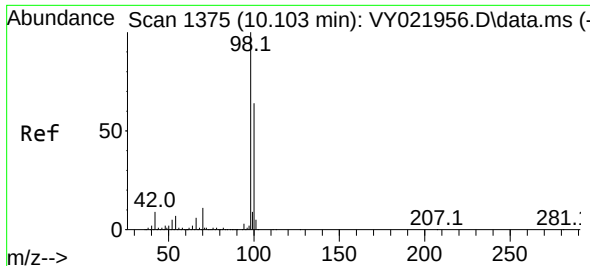
Tgt Ion:117 Resp: 23704
Ion Ratio Lower Upper
117 100
119 6.3 76.2 114.4#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 4.160 ug/l
RT: 8.975 min Scan# 1190
Delta R.T. -0.263 min
Lab File: VY022206.D
Acq: 08 May 2025 13:32

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 21.3 31.9#
58 0.0 50.5 75.7#

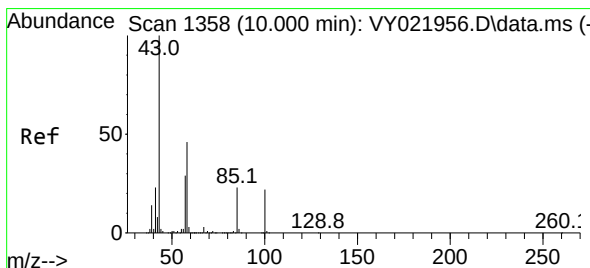
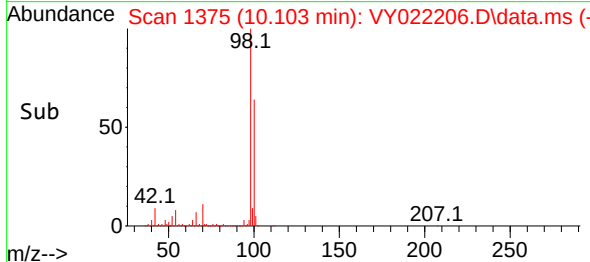
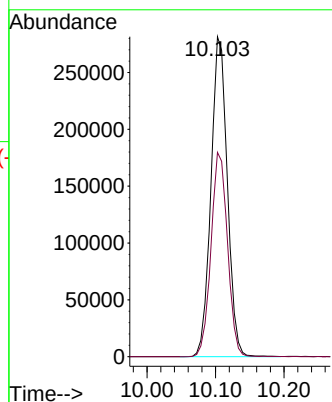
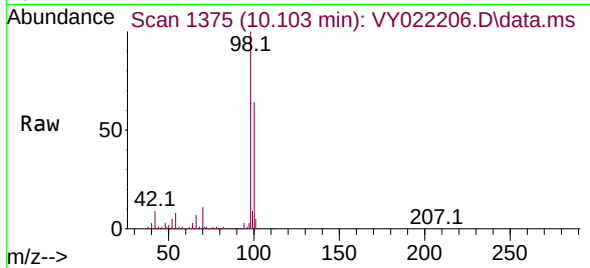




#50
Toluene-d8
Concen: 52.312 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022206.D
Acq: 08 May 2025 13:32

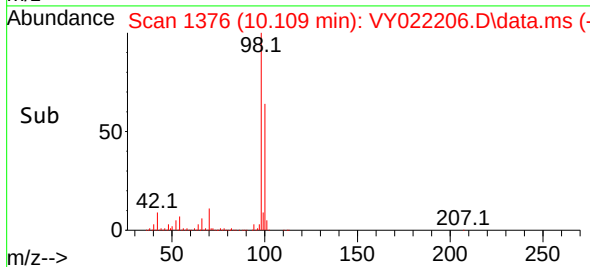
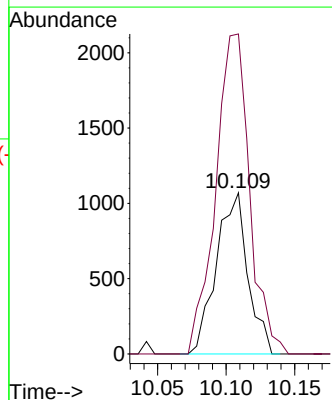
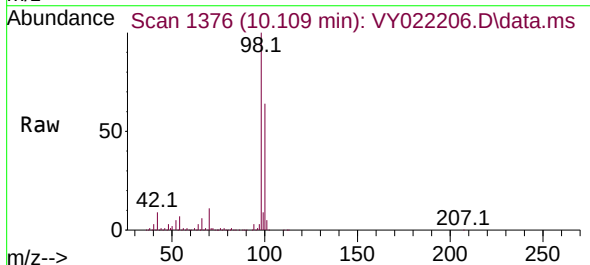
Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

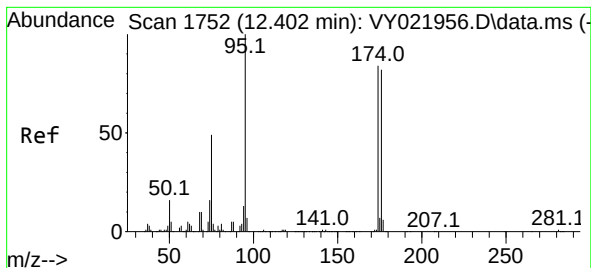
Tgt Ion: 98 Resp: 466712
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.488 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.109 min
Lab File: VY022206.D
Acq: 08 May 2025 13:32

Tgt Ion: 43 Resp: 1710
Ion Ratio Lower Upper
43 100
58 214.5 36.6 55.0#

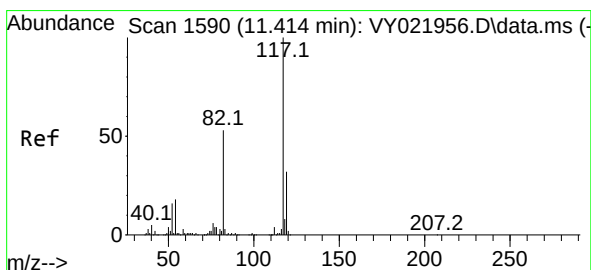
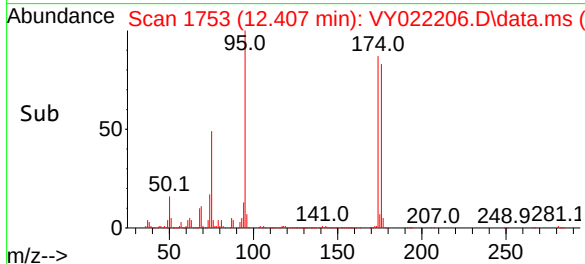
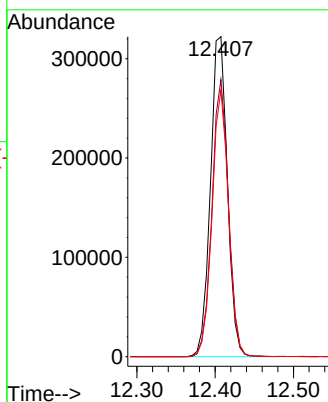
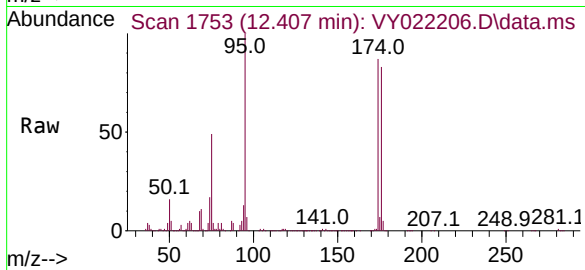




#62
4-Bromofluorobenzene
Concen: 161.129 ug/l
RT: 12.407 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY022206.D
Acq: 08 May 2025 13:32

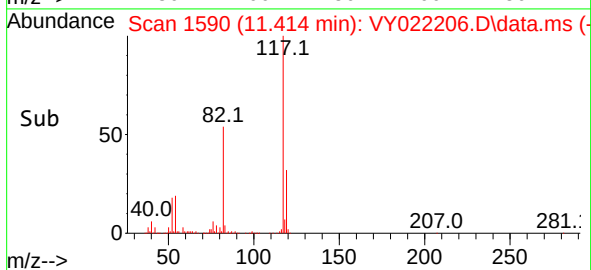
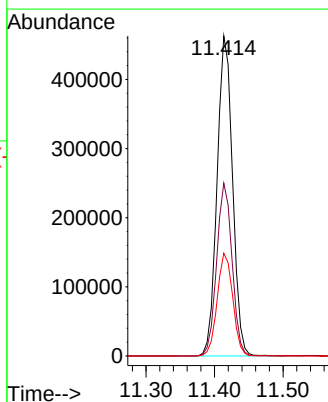
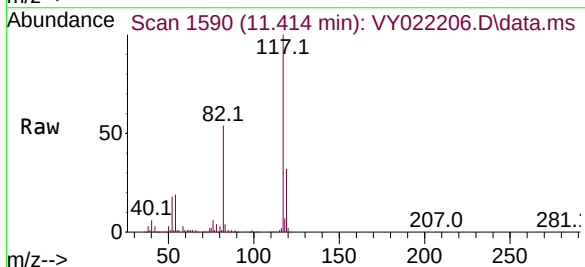
Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

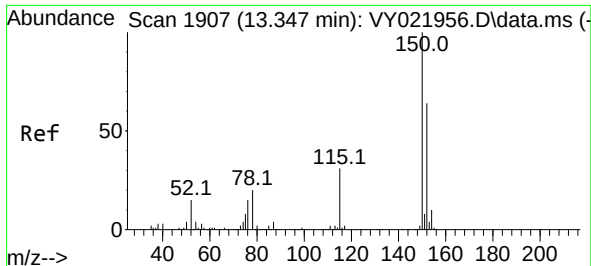
Tgt Ion: 95 Resp: 483932
Ion Ratio Lower Upper
95 100
174 84.6 0.0 179.0
176 81.0 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022206.D
Acq: 08 May 2025 13:32

Tgt Ion: 117 Resp: 723281
Ion Ratio Lower Upper
117 100
82 54.0 42.1 63.1
119 32.1 25.7 38.5

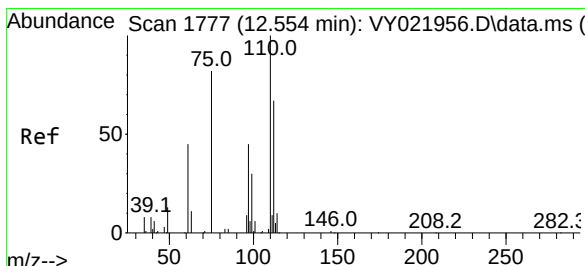
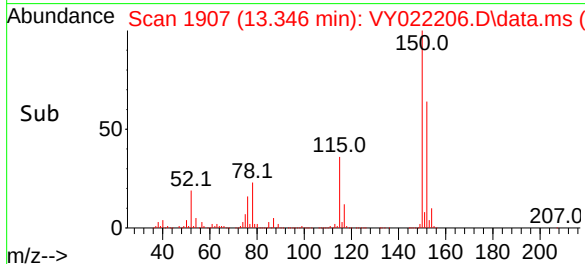
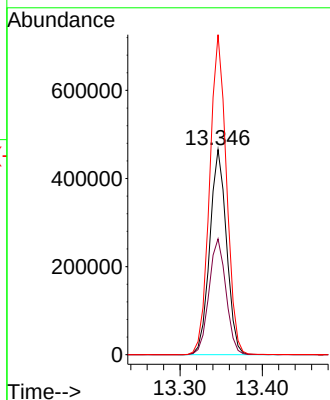
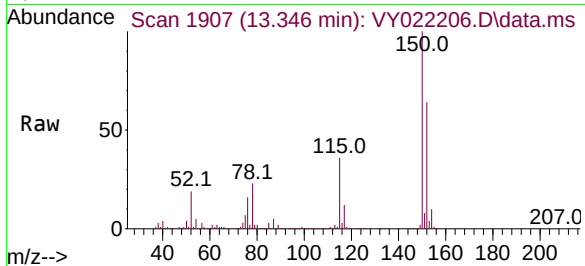




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022206.D
 Acq: 08 May 2025 13:32

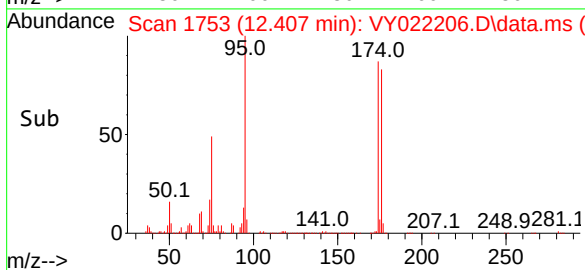
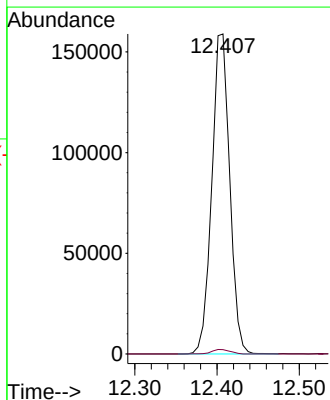
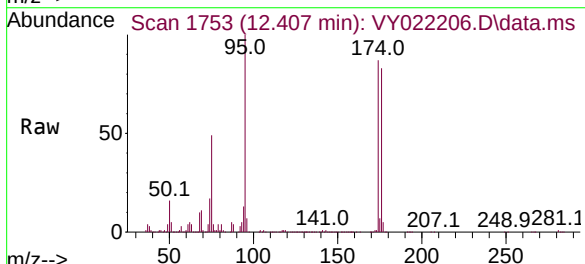
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2B

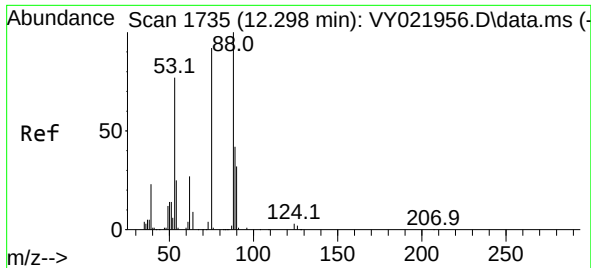
Tgt Ion:152 Resp: 658417
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.0 84.0
 150 156.8 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 42.637 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.147 min
 Lab File: VY022206.D
 Acq: 08 May 2025 13:32

Tgt Ion: 75 Resp: 240458
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.676 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY022206.D
 Acq: 08 May 2025 13:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2B

Tgt Ion: 75 Resp: 240458
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.0 99.0#
 89 0.0 37.2 55.8#

