

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023239.D
 Acq On : 29 Aug 2025 11:57
 Operator : SY/MD
 Sample : Q2973-01
 Misc : 5.33g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-082825RE

Quant Time: Aug 30 01:19:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	59734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	81355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	58605	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	14897	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	22965	40.339	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.680%
35) Dibromofluoromethane	7.634	113	26241	53.905	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.800%
50) Toluene-d8	10.109	98	88355	46.460	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.920%
62) 4-Bromofluorobenzene	12.408	95	18284	29.896	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.800%

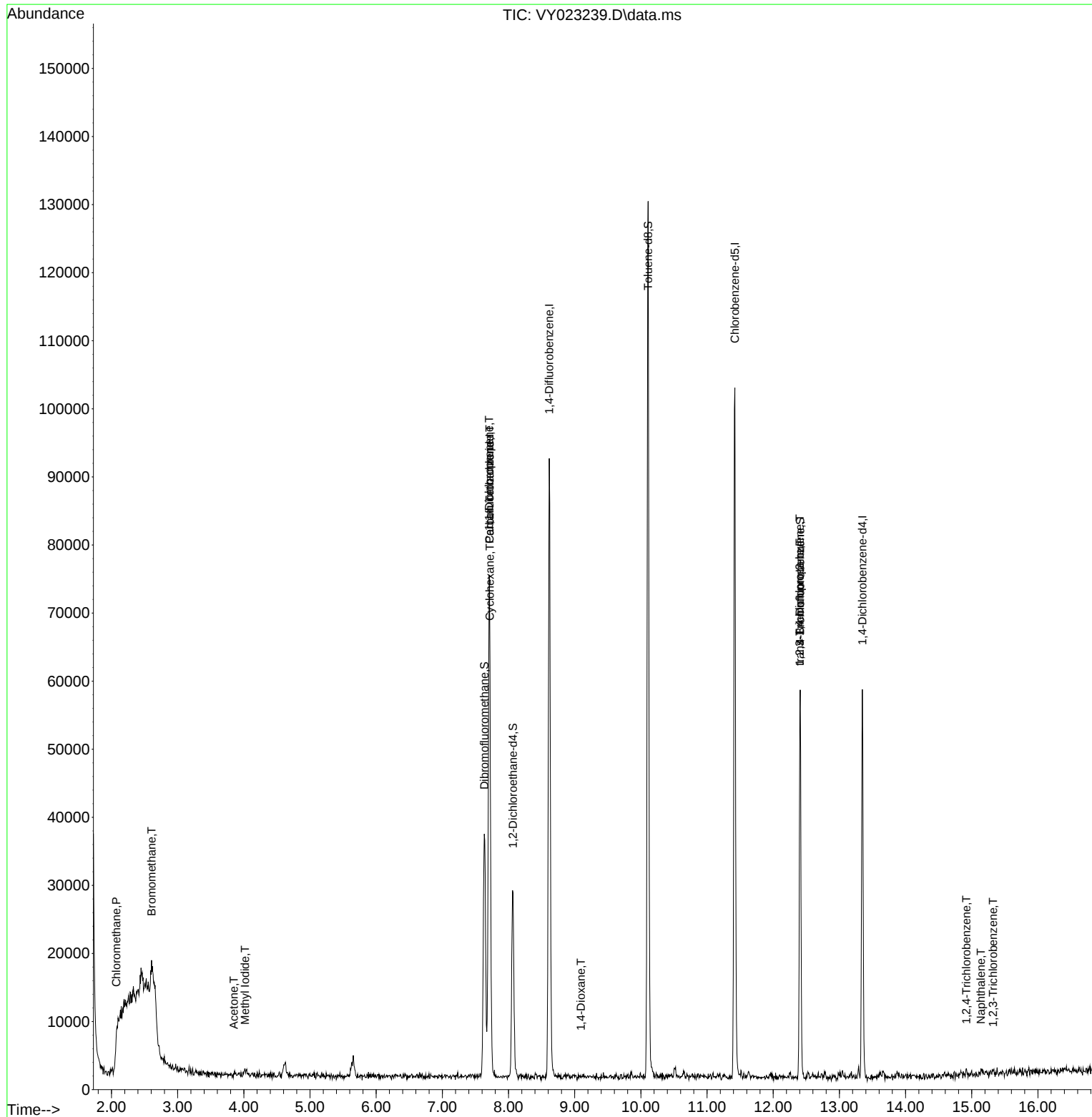
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.074	50	862	1.092	ug/l #	75
5) Bromomethane	2.605	94	2286	3.136	ug/l	82
10) Methyl Iodide	4.019	142	1353	2.141	ug/l #	42
16) Acetone	3.848	43	180	1.459	ug/l #	79
20) Methylene Chloride	4.610	84	1395	Below Cal	#	85
31) Cyclohexane	7.720	56	1264	1.192	ug/l #	18
36) 1,1-Dichloropropene	7.707	75	4384	6.060	ug/l #	49
38) Carbon Tetrachloride	7.713	117	6227	7.925	ug/l #	15
49) 1,4-Dioxane	9.091	88	32	9.268	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	9064	63.044	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	9064	152.610	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.919	180	277	1.080	ug/l	62
95) Naphthalene	15.139	128	687	1.570	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.322	180	341	1.543	ug/l #	82

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

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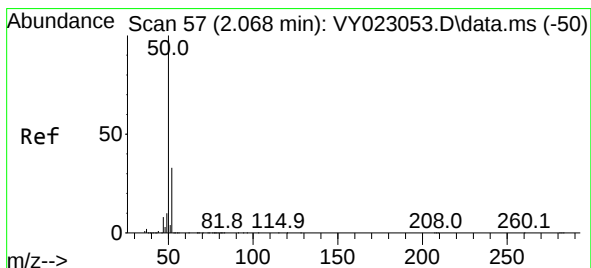
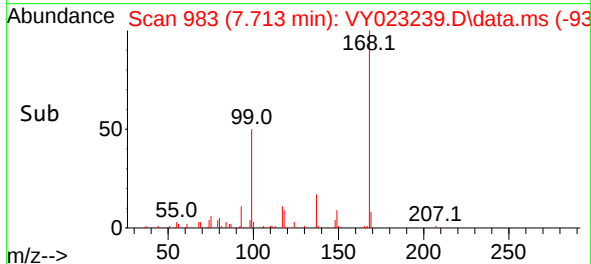
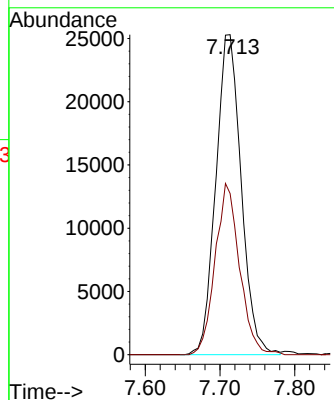
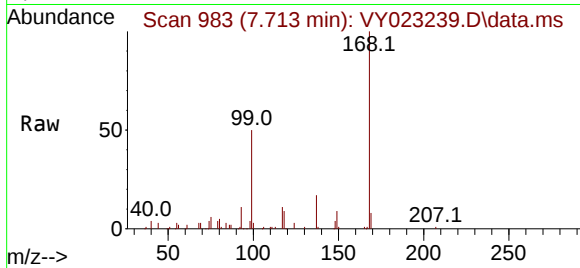




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023239.D
Acq: 29 Aug 2025 11:57

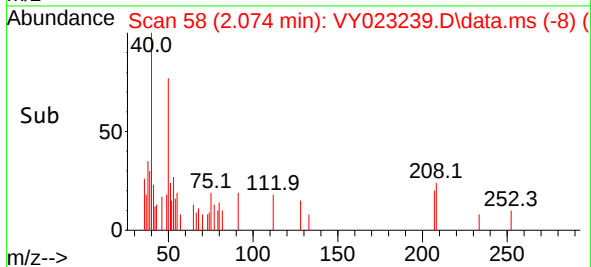
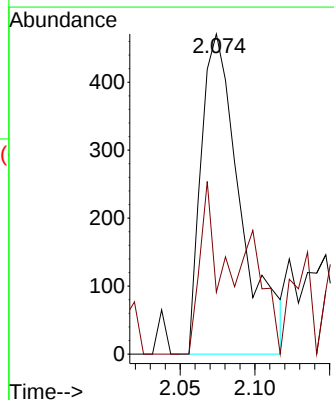
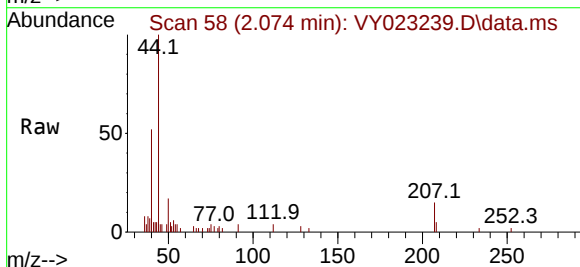
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MSVOA_Y
ClientSampleId :
OK-01-082825RE

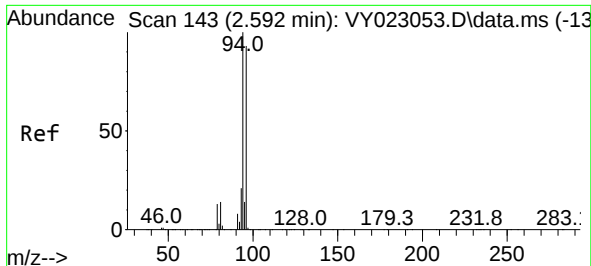
Tgt Ion:168 Resp: 59734
Ion Ratio Lower Upper
168 100
99 50.3 42.8 64.2



#3
Chloromethane
Concen: 1.092 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY023239.D
Acq: 29 Aug 2025 11:57

Tgt Ion: 50 Resp: 862
Ion Ratio Lower Upper
50 100
52 19.3 26.7 40.1#

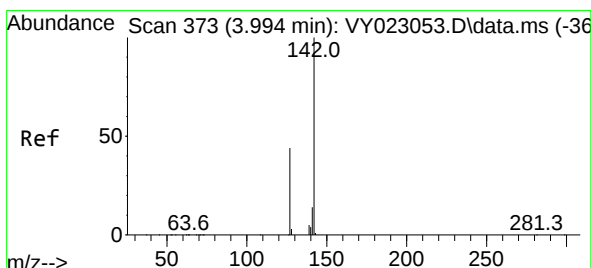
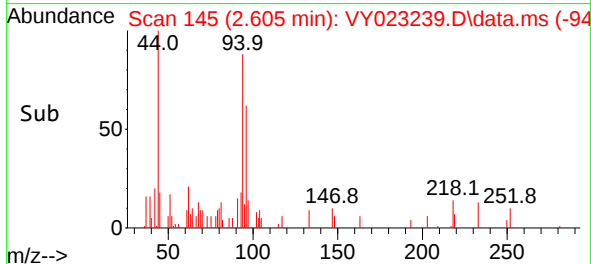
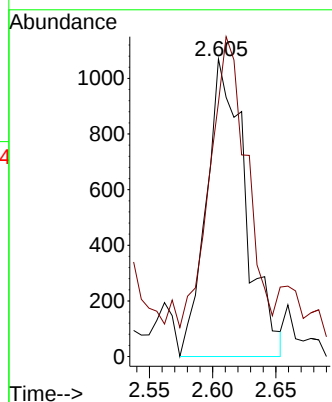
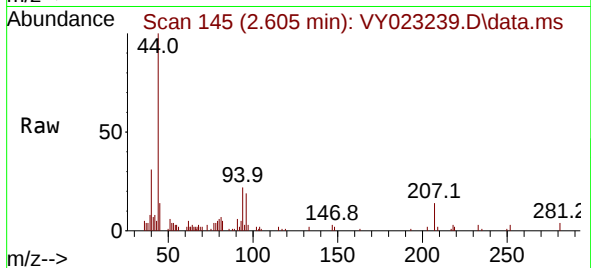




#5
Bromomethane
Concen: 3.136 ug/l
RT: 2.605 min Scan# 143
Delta R.T. 0.012 min
Lab File: VY023239.D
Acq: 29 Aug 2025 11:57

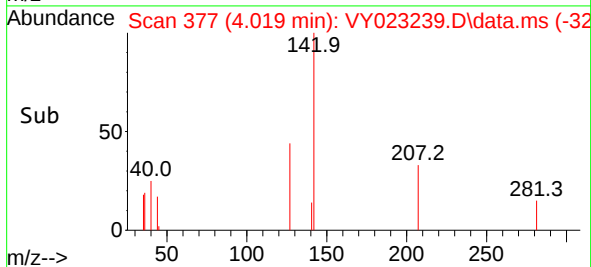
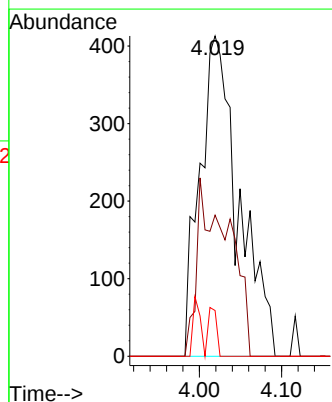
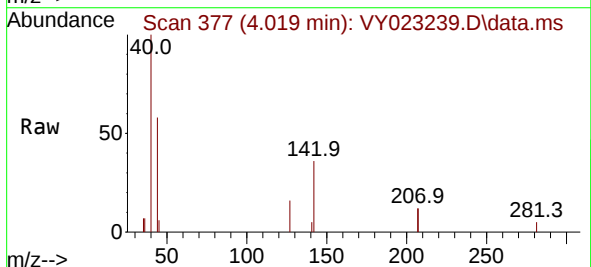
Instrument :
MSVOA_Y
ClientSampleId :
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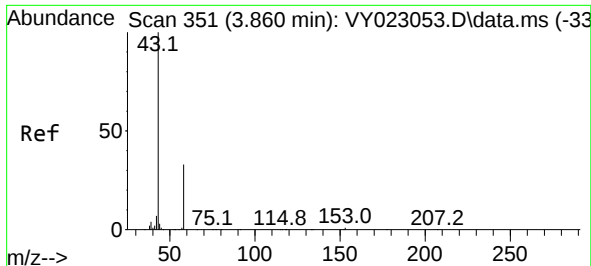
Tgt Ion: 94 Resp: 2286
Ion Ratio Lower Upper
94 100
96 75.6 74.6 112.0



#10
Methyl Iodide
Concen: 2.141 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.025 min
Lab File: VY023239.D
Acq: 29 Aug 2025 11:57

Tgt Ion: 142 Resp: 1353
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 3.3 11.3 16.9#

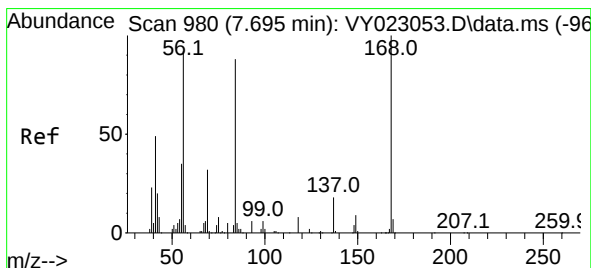
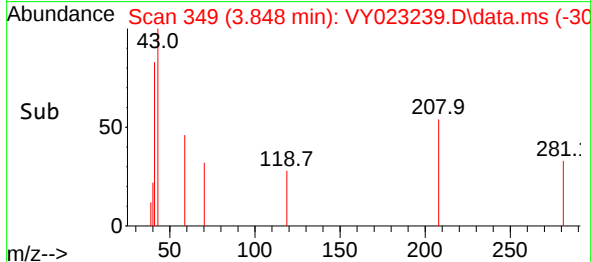
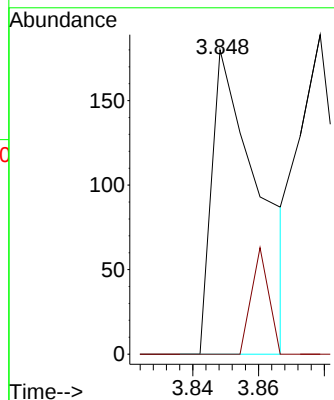
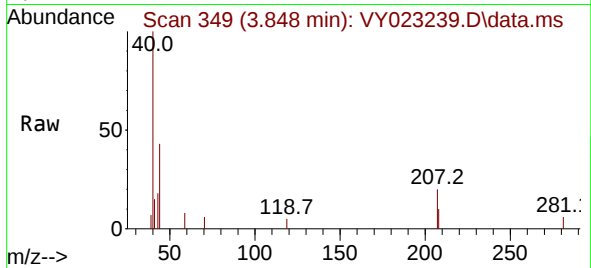




#16
Acetone
Concen: 1.459 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY023239.D
Acq: 29 Aug 2025 11:57

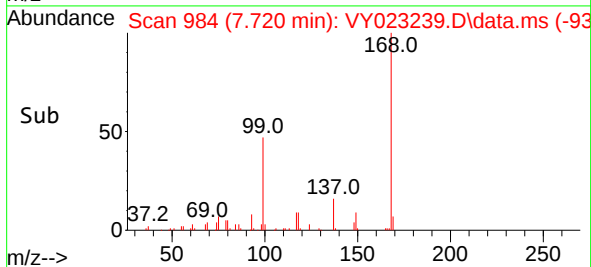
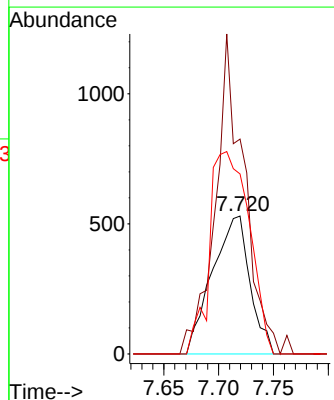
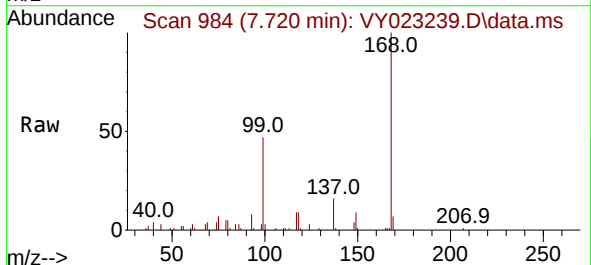
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-082825RE

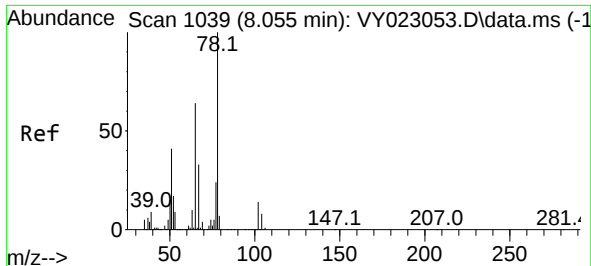
Tgt Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
58 46.1 27.1 40.7#



#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.720 min Scan# 984
Delta R.T. 0.025 min
Lab File: VY023239.D
Acq: 29 Aug 2025 11:57

Tgt Ion: 56 Resp: 1264
Ion Ratio Lower Upper
56 100
69 155.8 28.2 42.2#
84 130.6 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 40.339 ug/l

RT: 8.067 min Scan# 1109

Delta R.T. 0.012 min

Lab File: VY023239.D

Acq: 29 Aug 2025 11:57

Instrument :

MSVOA_Y

ClientSampleId :

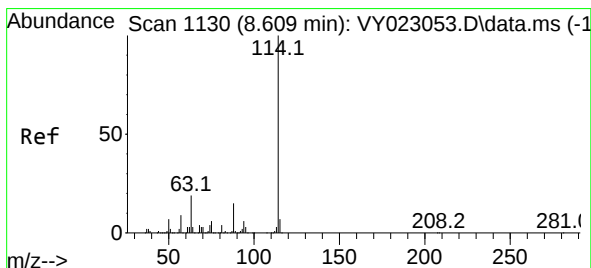
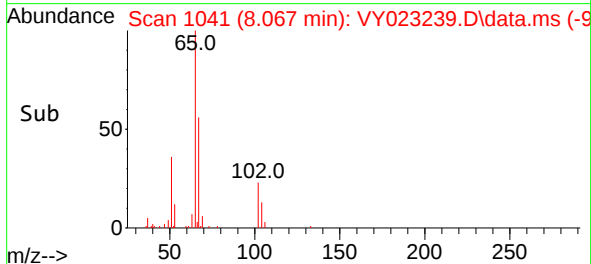
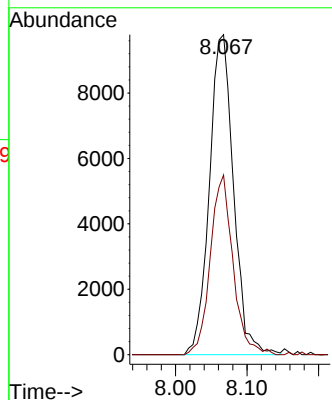
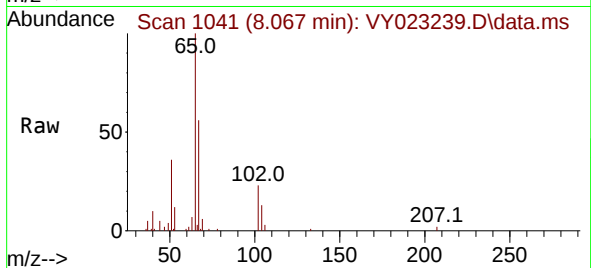
OK-01-082825RE

Tgt Ion: 65 Resp: 22965

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023239.D

Acq: 29 Aug 2025 11:57

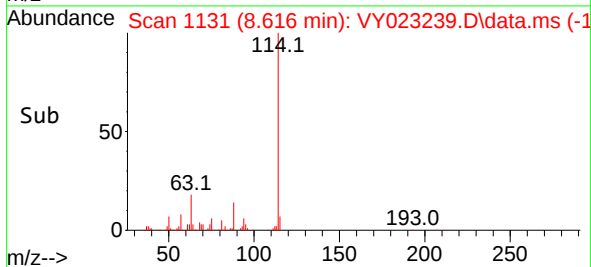
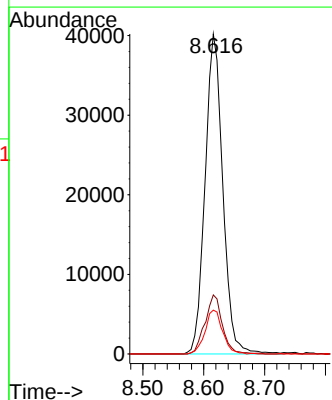
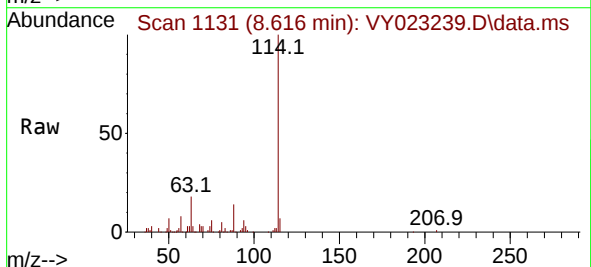
Tgt Ion: 114 Resp: 81355

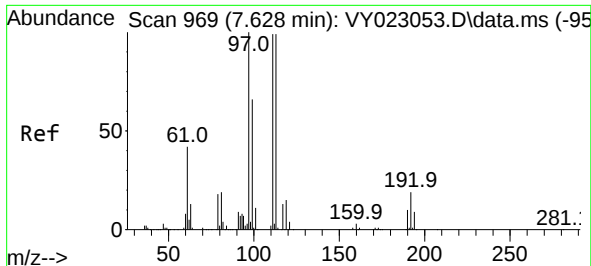
Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 13.7 0.0 30.0

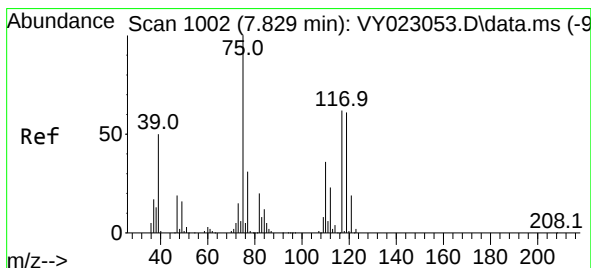
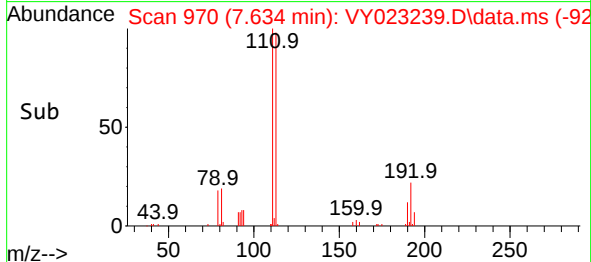
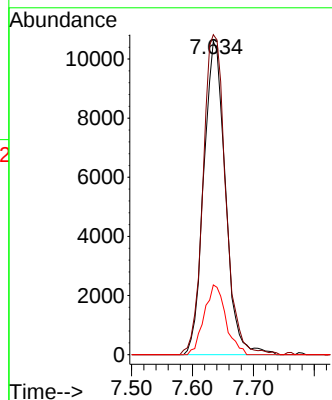
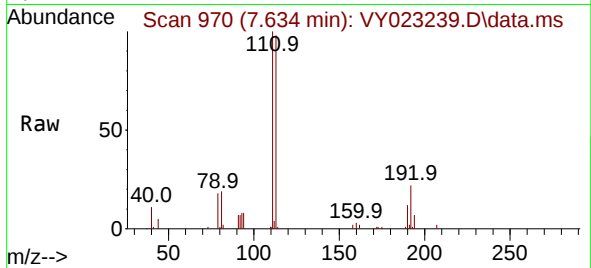




#35
Dibromofluoromethane
Concen: 53.905 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023239.D
Acq: 29 Aug 2025 11:57

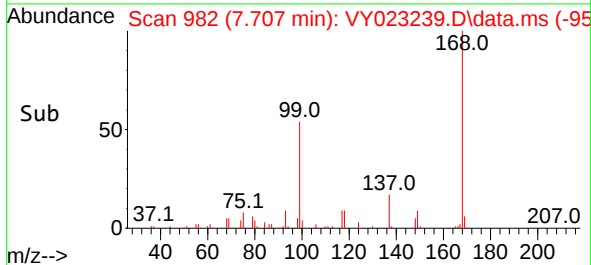
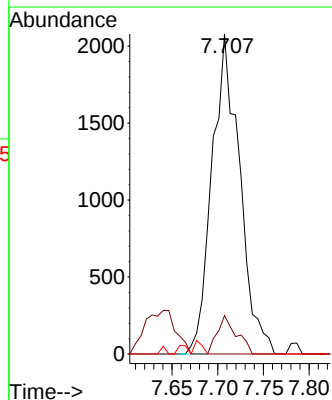
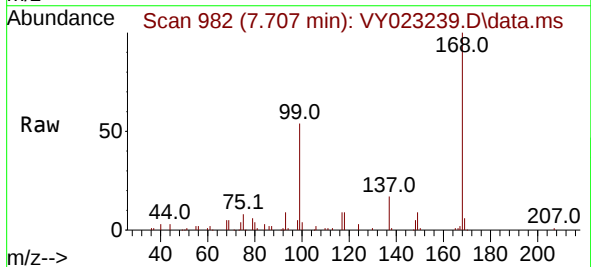
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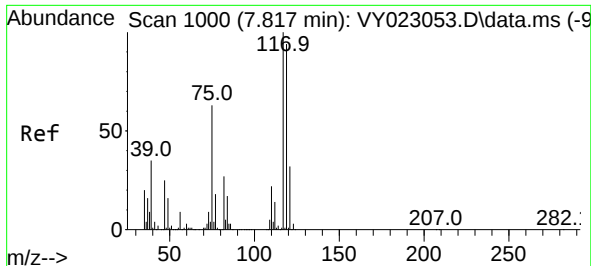
Tgt Ion:113 Resp: 26241
Ion Ratio Lower Upper
113 100
111 105.7 81.1 121.7
192 22.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 6.060 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023239.D
Acq: 29 Aug 2025 11:57

Tgt Ion: 75 Resp: 4384
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.4#
77 0.0 24.6 37.0#

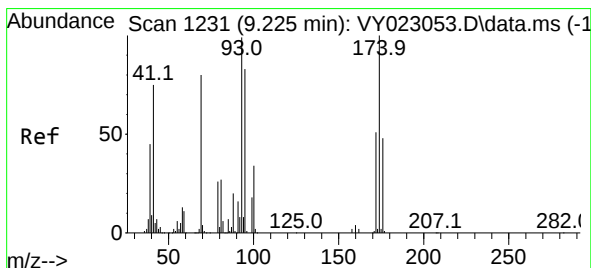
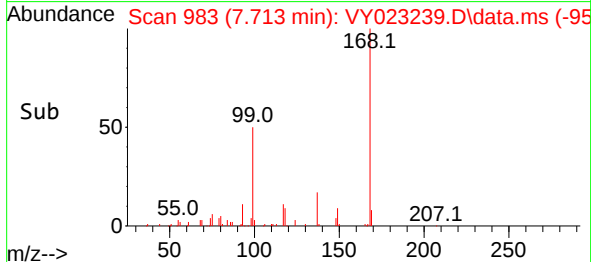
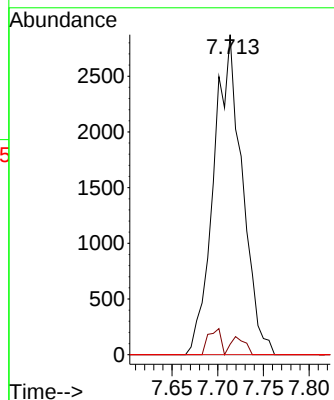
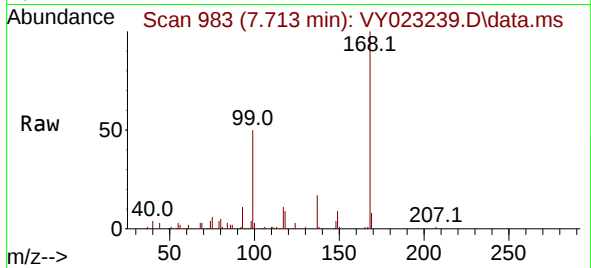




#38
Carbon Tetrachloride
Concen: 7.925 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY023239.D
Acq: 29 Aug 2025 11:57

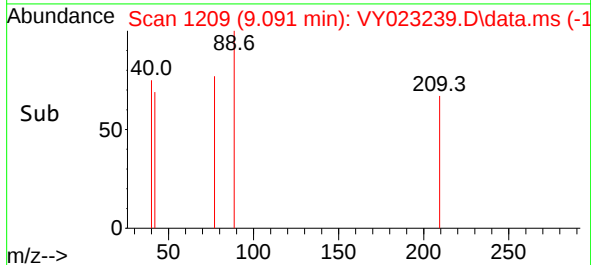
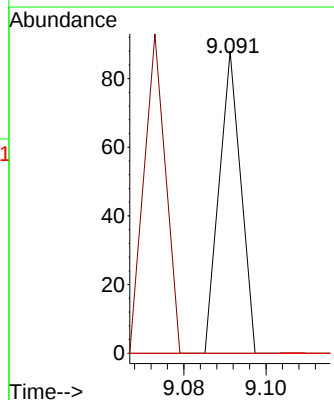
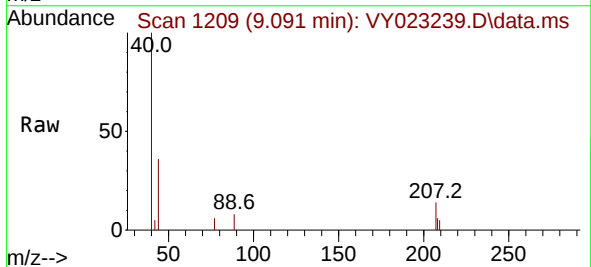
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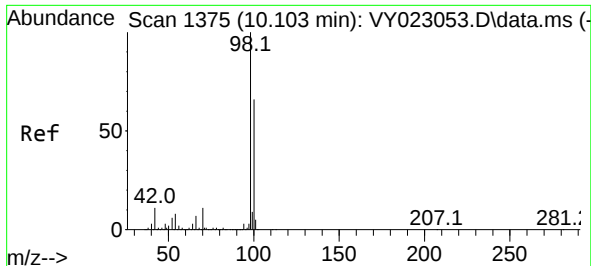
Tgt Ion: 117 Resp: 6227
Ion Ratio Lower Upper
117 100
119 3.2 75.6 113.4#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 9.268 ug/l
RT: 9.091 min Scan# 1209
Delta R.T. -0.134 min
Lab File: VY023239.D
Acq: 29 Aug 2025 11:57

Tgt Ion: 88 Resp: 32
Ion Ratio Lower Upper
88 100
43 106.3 24.3 36.5#
58 0.0 55.4 83.0#

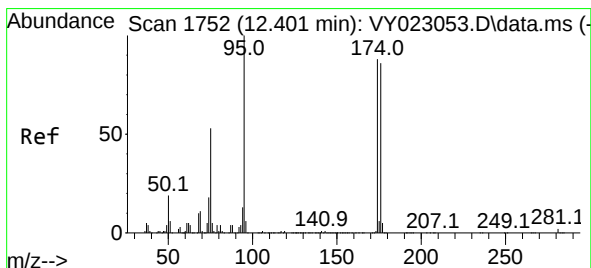
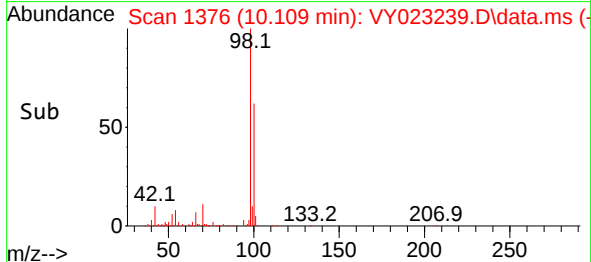
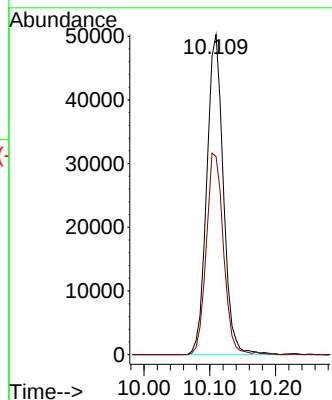
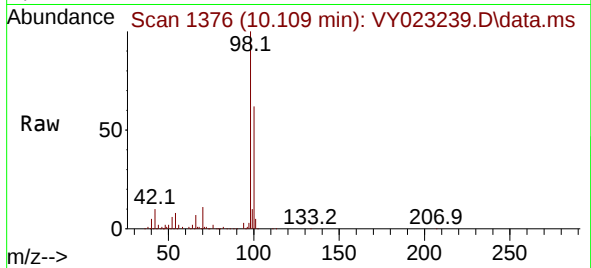




#50
Toluene-d8
Concen: 46.460 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023239.D
Acq: 29 Aug 2025 11:57

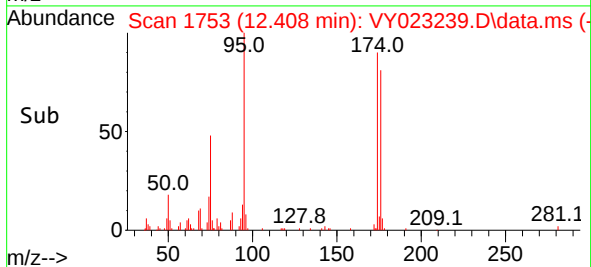
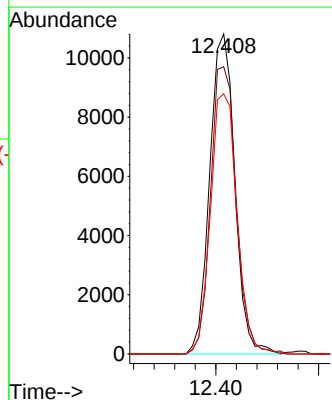
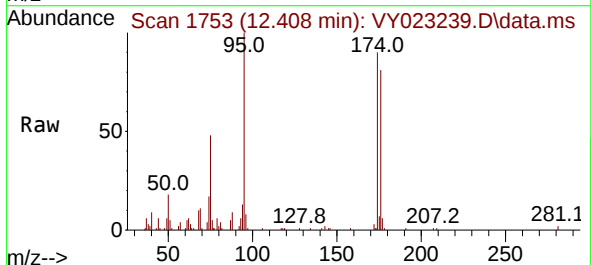
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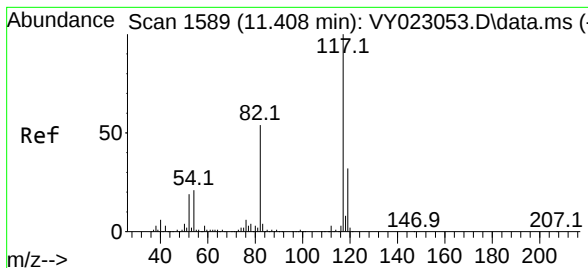
Tgt Ion: 98 Resp: 88355
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 29.896 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023239.D
Acq: 29 Aug 2025 11:57

Tgt Ion: 95 Resp: 18284
Ion Ratio Lower Upper
95 100
174 92.1 0.0 171.6
176 86.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023239.D

Acq: 29 Aug 2025 11:57

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-082825RE

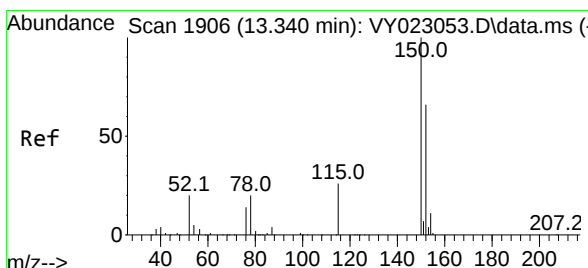
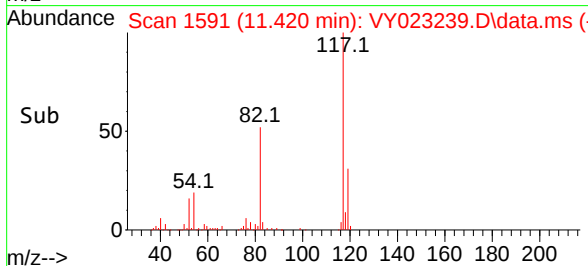
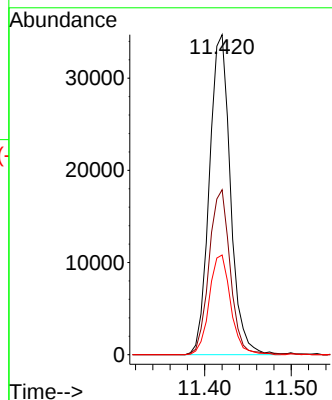
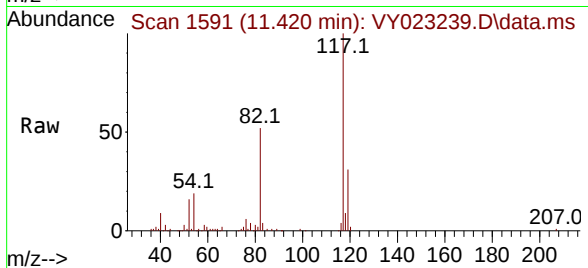
Tgt Ion:117 Resp: 58605

Ion Ratio Lower Upper

117 100

82 51.5 43.4 65.0

119 31.1 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023239.D

Acq: 29 Aug 2025 11:57

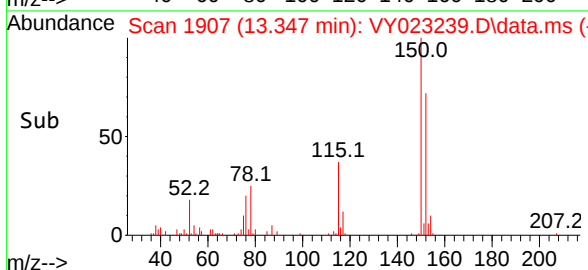
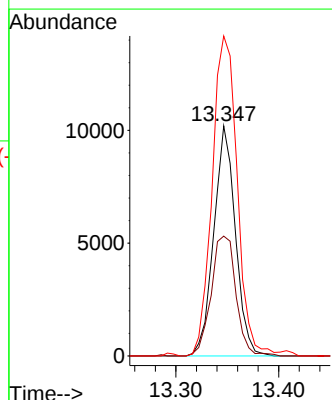
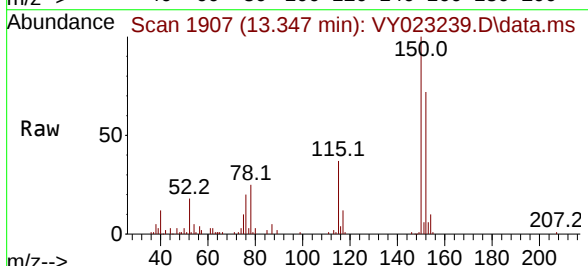
Tgt Ion:152 Resp: 14897

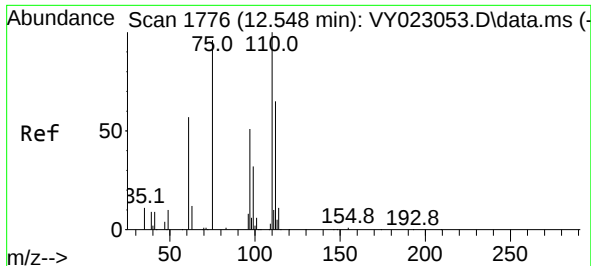
Ion Ratio Lower Upper

152 100

115 59.8 28.2 84.6

150 162.0 0.0 348.0

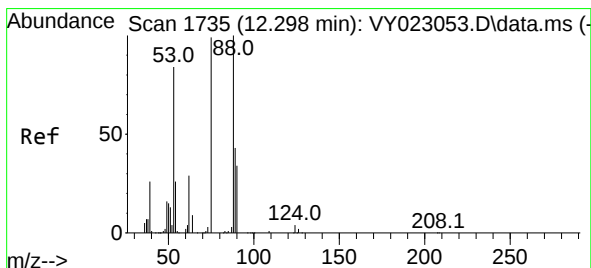
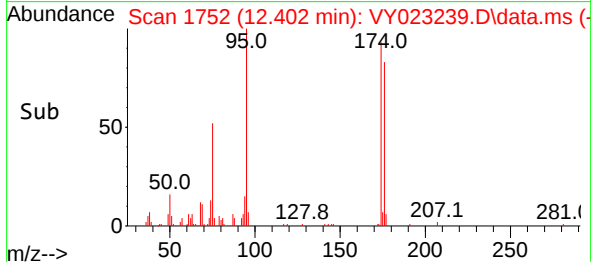
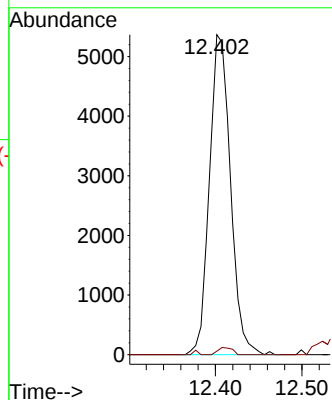
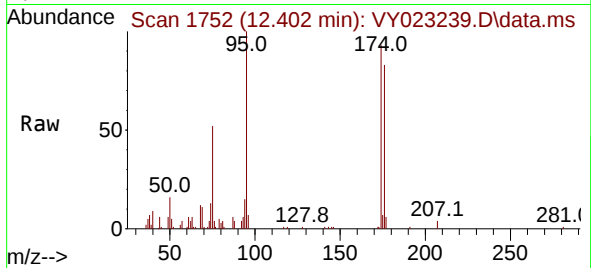




#76
1,2,3-Trichloropropane
Concen: 63.044 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023239.D
Acq: 29 Aug 2025 11:57

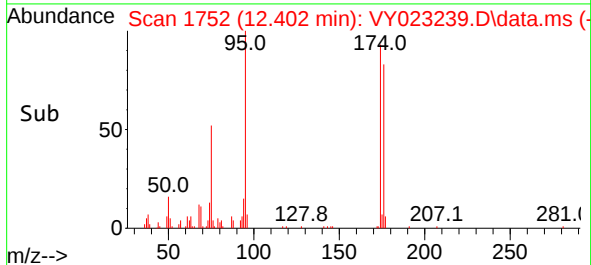
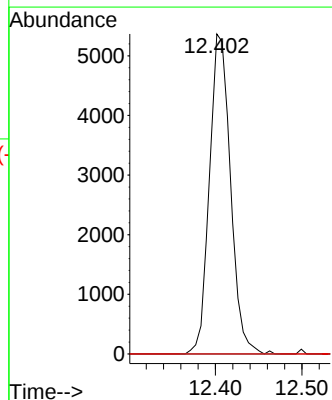
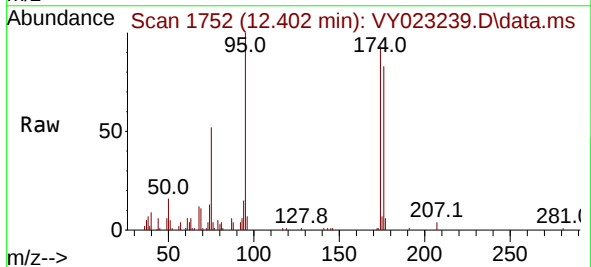
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-082825RE

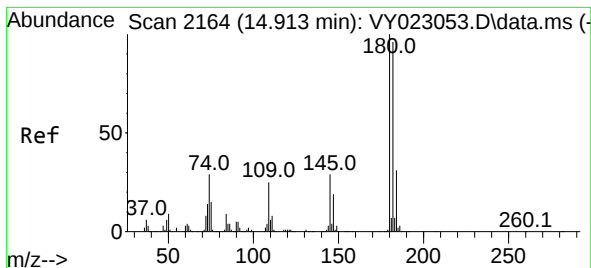
Tgt Ion: 75 Resp: 9064
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 152.610 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023239.D
Acq: 29 Aug 2025 11:57

Tgt Ion: 75 Resp: 9064
Ion Ratio Lower Upper
75 100
53 0.0 70.8 106.2#
89 0.0 38.1 57.1#





#93

1,2,4-Trichlorobenzene

Concen: 1.080 ug/l

RT: 14.919 min Scan# 2164

Delta R.T. 0.006 min

Lab File: VY023239.D

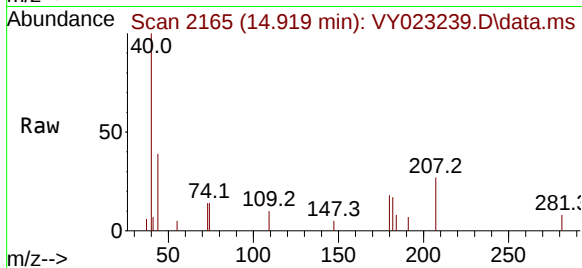
Acq: 29 Aug 2025 11:57

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-082825RE



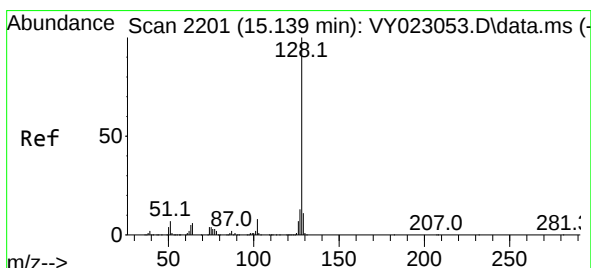
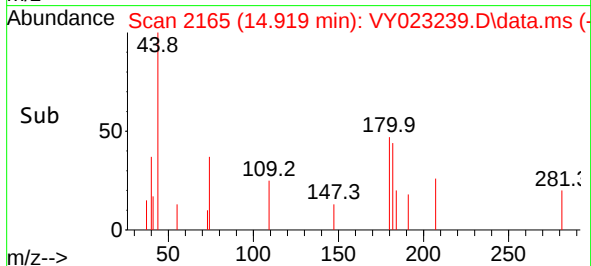
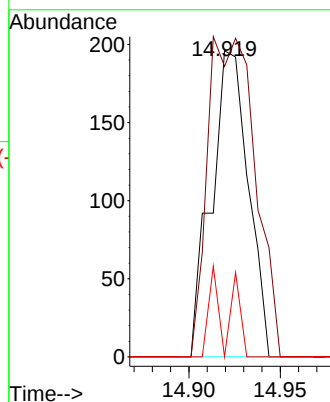
Tgt Ion:180 Resp: 277

Ion Ratio Lower Upper

180 100

182 133.9 46.8 140.4

145 14.8 14.4 43.4



#95

Naphthalene

Concen: 1.570 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023239.D

Acq: 29 Aug 2025 11:57

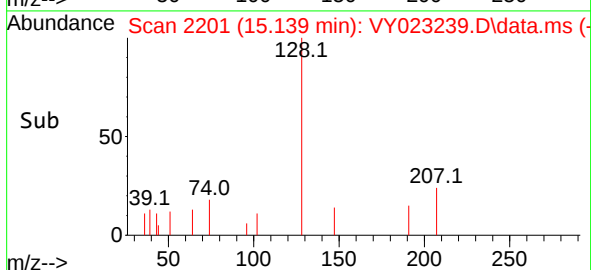
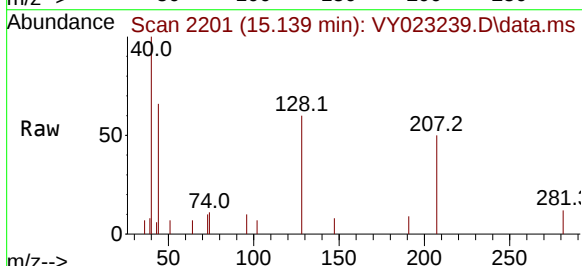
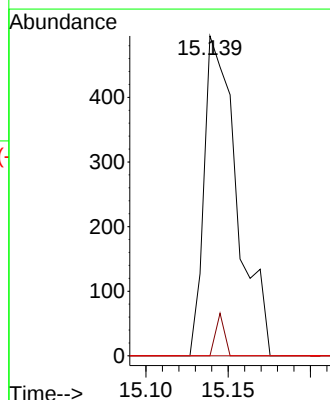
Tgt Ion:128 Resp: 687

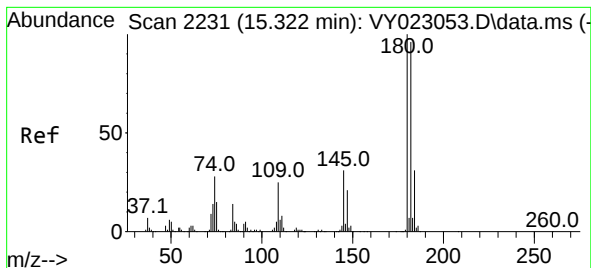
Ion Ratio Lower Upper

128 100

127 3.5 10.4 15.6#

129 0.0 9.0 13.4#





#96

1,2,3-Trichlorobenzene

Concen: 1.543 ug/l

RT: 15.322 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY023239.D

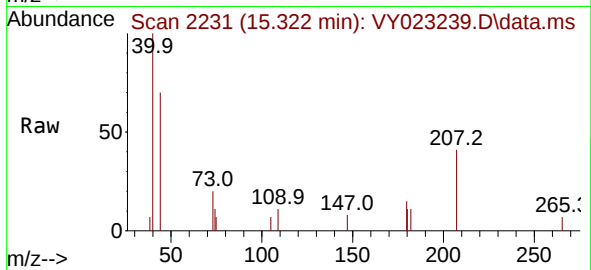
Acq: 29 Aug 2025 11:57

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-082825RE



Tgt Ion:180 Resp: 341

Ion Ratio Lower Upper

180 100

182 85.9 47.9 143.7

145 9.1 15.9 47.7#

