

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032025\
 Data File : VY021585.D
 Acq On : 20 Mar 2025 16:21
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Mar 21 01:34:39 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)

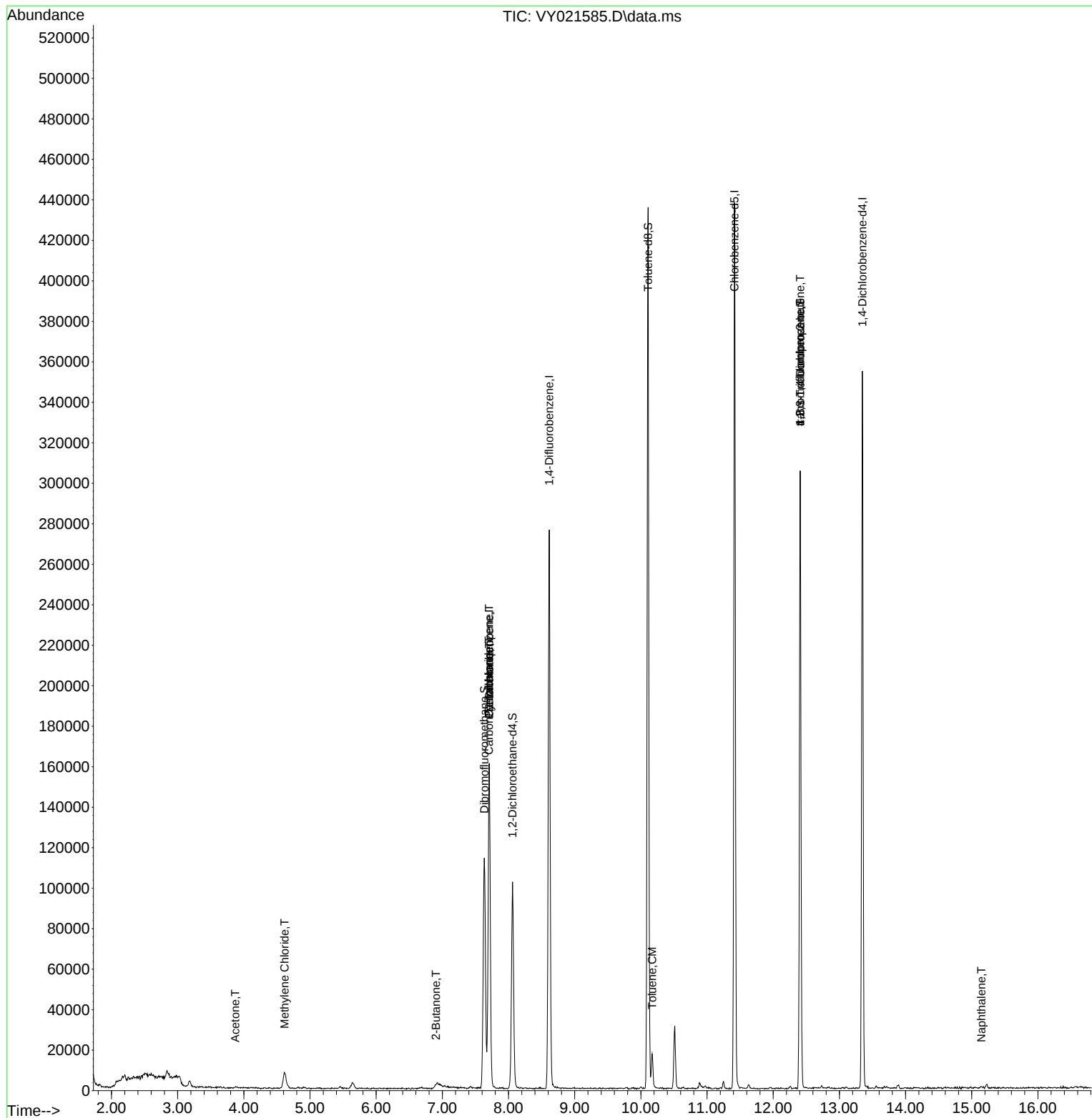
Internal Standards						
1) Pentafluorobenzene	7.707	168	118026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	224451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	217179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	86531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	78764	63.139	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.280%	
35) Dibromofluoromethane	7.634	113	80447	54.527	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.060%	
50) Toluene-d8	10.109	98	276928	49.574	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.140%	
62) 4-Bromofluorobenzene	12.408	95	87946	46.283	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	215	Below Cal	#	72
16) Acetone	3.873	43	1080	3.969	ug/l	97
20) Methylene Chloride	4.616	84	5051	3.537	ug/l	91
25) 2-Butanone	6.903	43	911	2.420	ug/l #	48
31) Cyclohexane	7.707	56	2752	1.178	ug/l #	19
36) 1,1-Dichloropropene	7.707	75	10972	4.751	ug/l #	49
38) Carbon Tetrachloride	7.701	117	11981	4.511	ug/l #	17
52) Toluene	10.170	92	6449	1.504	ug/l	98
76) 1,2,3-Trichloropropane	12.408	75	47543	54.524	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	47543	123.951	ug/l #	9
95) Naphthalene	15.145	128	626	1.716	ug/l #	69

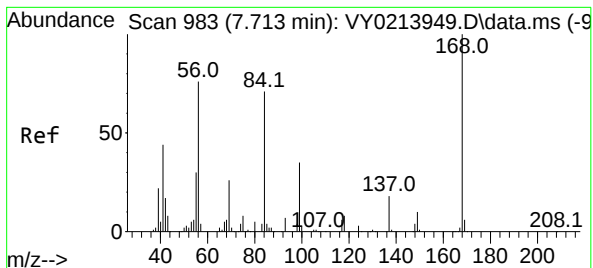
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032025\
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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# 9

Delta R.T. -0.006 min

Lab File: VY021585.D

Acq: 20 Mar 2025 16:21

Instrument :

MSVOA_Y

ClientSampleId :

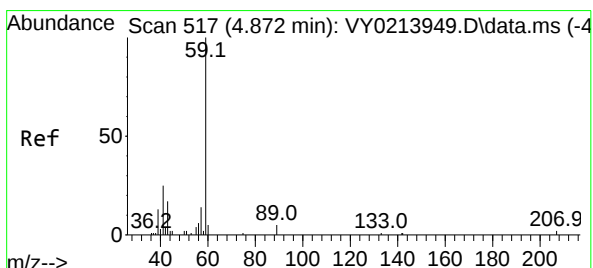
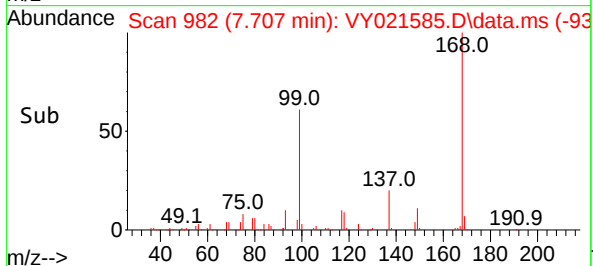
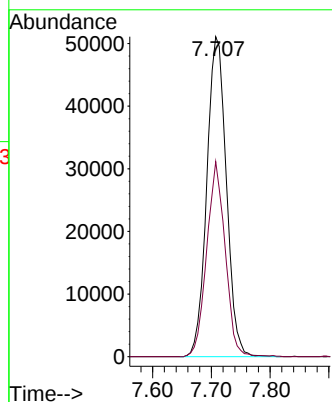
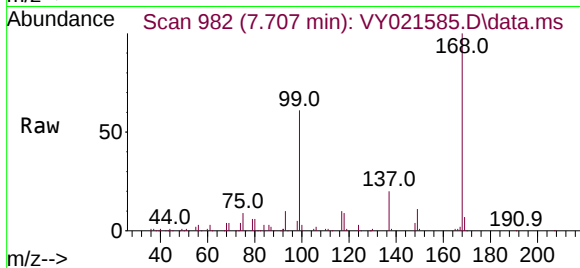
VIBLK

Tgt Ion:168 Resp: 118026

Ion Ratio Lower Upper

168 100

99 60.9 46.0 69.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.854 min Scan# 514

Delta R.T. -0.018 min

Lab File: VY021585.D

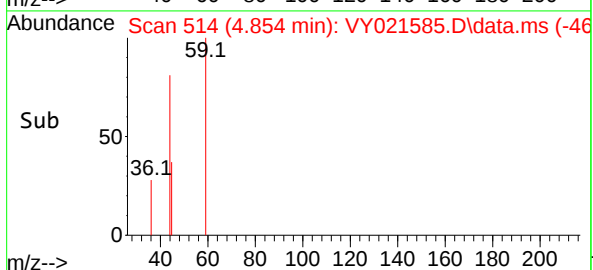
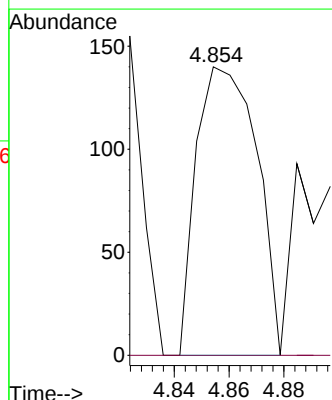
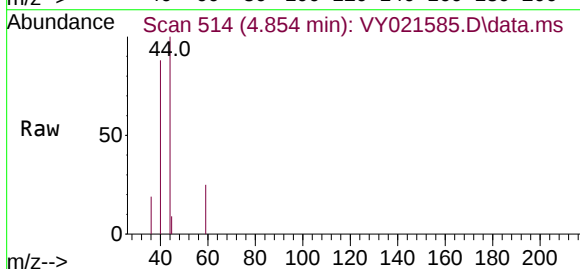
Acq: 20 Mar 2025 16:21

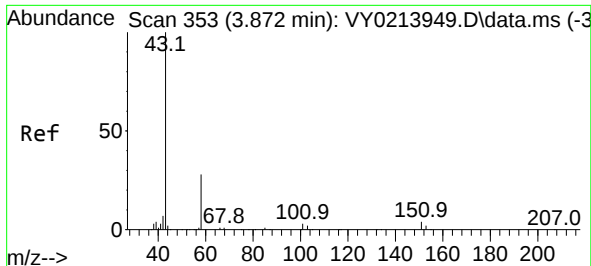
Tgt Ion: 59 Resp: 215

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

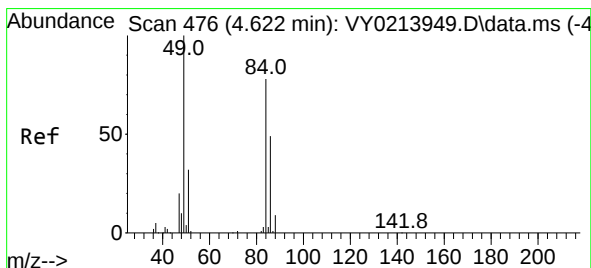
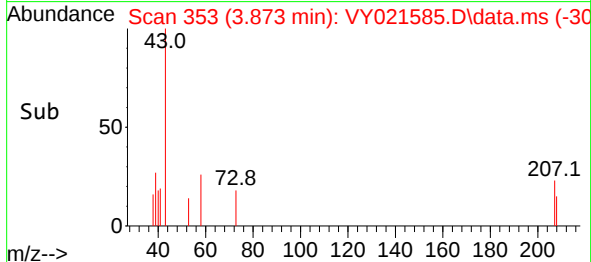
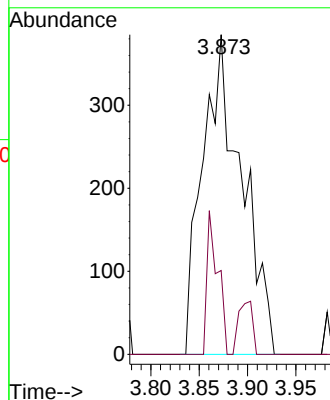
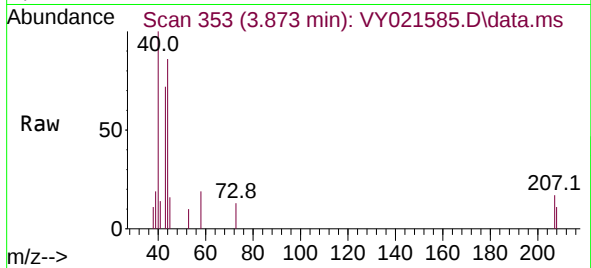




#16
Acetone
Concen: 3.969 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.001 min
Lab File: VY021585.D
Acq: 20 Mar 2025 16:21

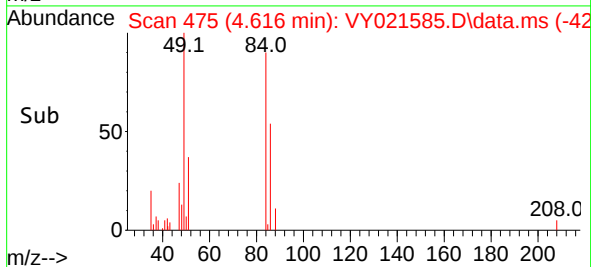
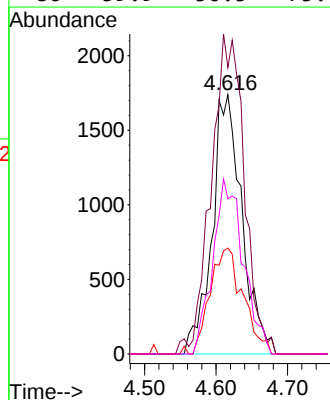
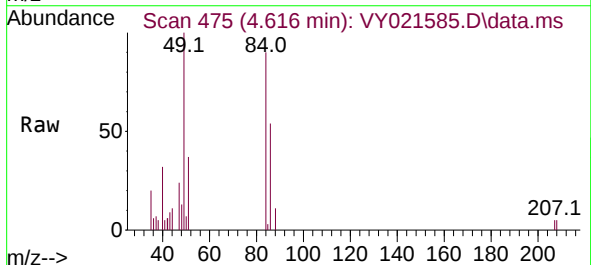
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

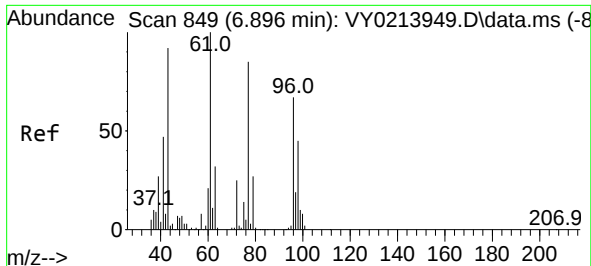
Tgt Ion: 43 Resp: 1080
Ion Ratio Lower Upper
43 100
58 26.2 22.1 33.1



#20
Methylene Chloride
Concen: 3.537 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021585.D
Acq: 20 Mar 2025 16:21

Tgt Ion: 84 Resp: 5051
Ion Ratio Lower Upper
84 100
49 110.5 102.0 153.0
51 40.9 33.0 49.6
86 59.9 50.5 75.7





#25

2-Butanone

Concen: 2.420 ug/l

RT: 6.903 min Scan# 849

Delta R.T. 0.007 min

Lab File: VY021585.D

Acq: 20 Mar 2025 16:21

Instrument :

MSVOA_Y

ClientSampleId :

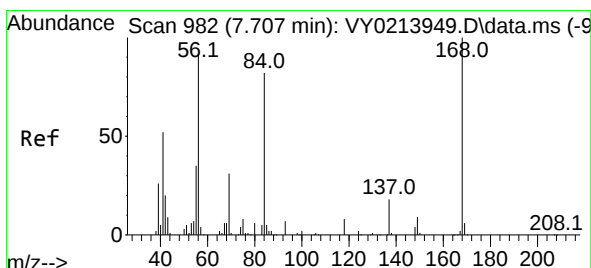
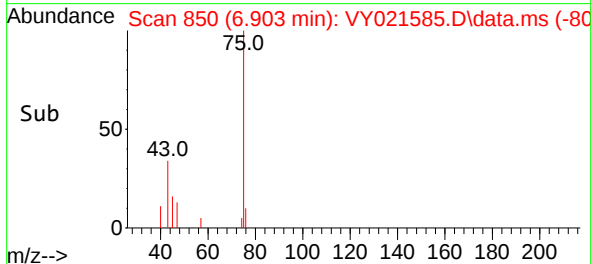
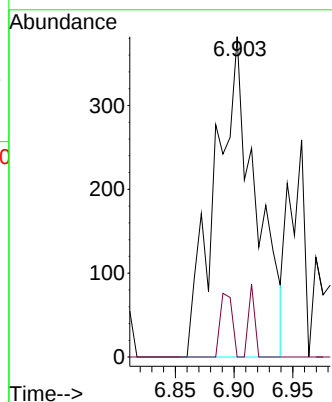
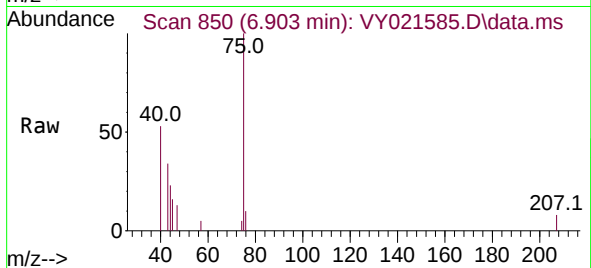
VIBLK

Tgt Ion: 43 Resp: 911

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.0#



#31

Cyclohexane

Concen: 1.178 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY021585.D

Acq: 20 Mar 2025 16:21

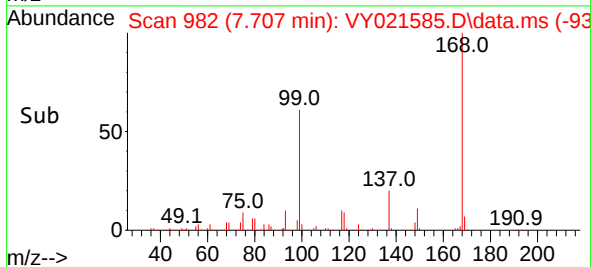
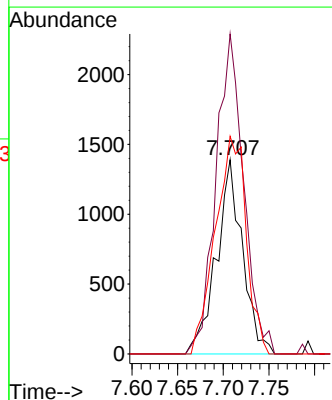
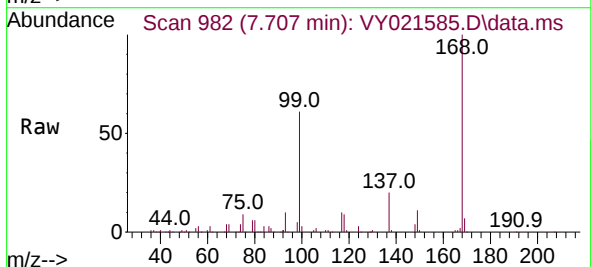
Tgt Ion: 56 Resp: 2752

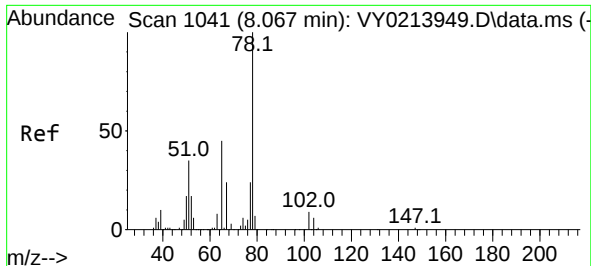
Ion Ratio Lower Upper

56 100

69 164.8 27.0 40.4#

84 112.1 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 63.139 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021585.D

Acq: 20 Mar 2025 16:21

Instrument :

MSVOA_Y

ClientSampleId :

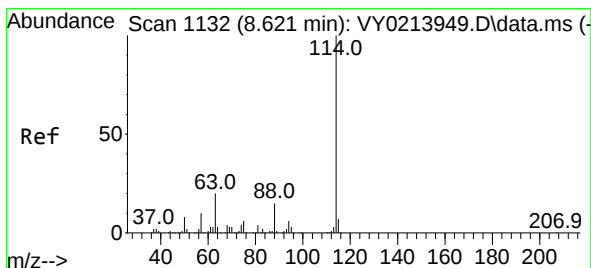
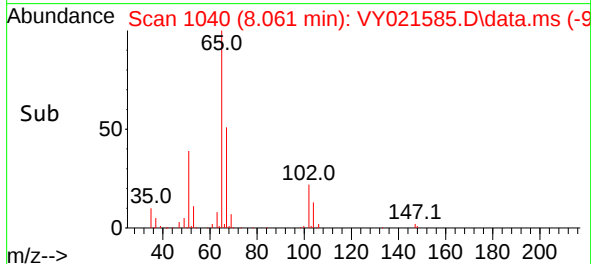
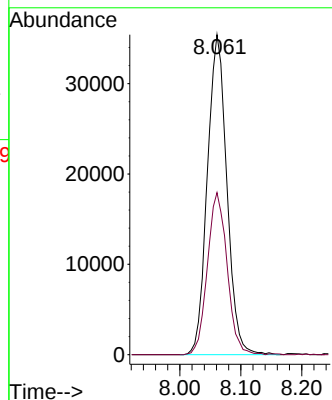
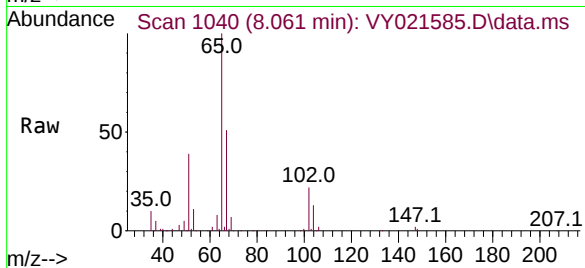
VIBLK

Tgt Ion: 65 Resp: 78764

Ion Ratio Lower Upper

65 100

67 51.2 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: VY021585.D

Acq: 20 Mar 2025 16:21

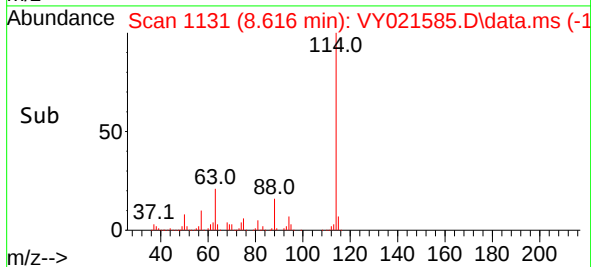
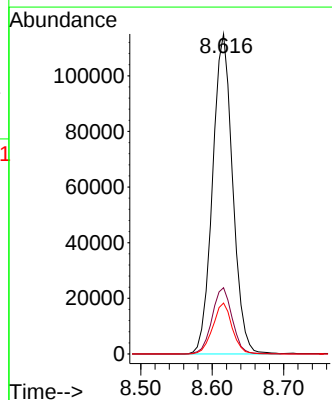
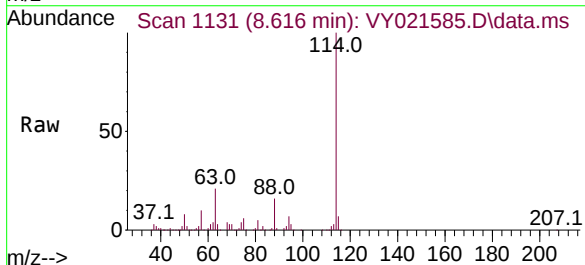
Tgt Ion: 114 Resp: 224451

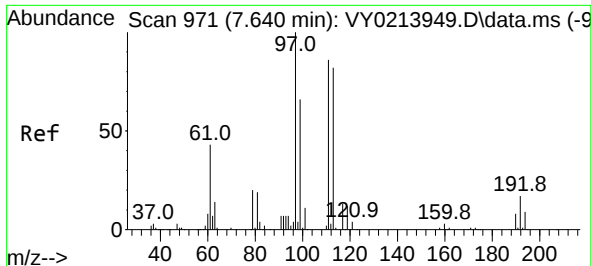
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 15.9 0.0 30.8





#35

Dibromofluoromethane

Concen: 54.527 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021585.D

Acq: 20 Mar 2025 16:21

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

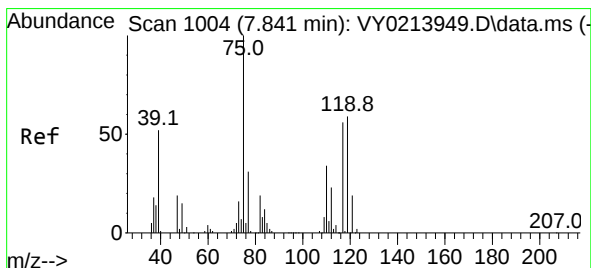
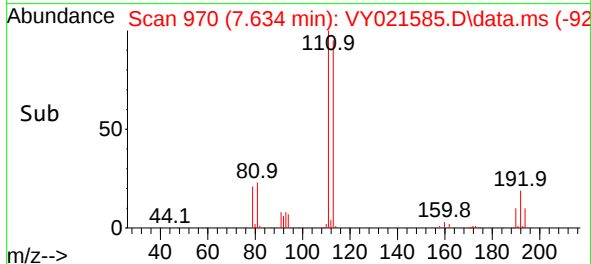
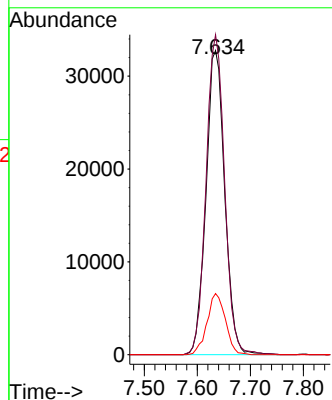
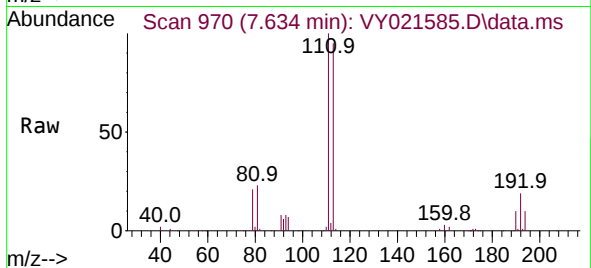
Tgt Ion:113 Resp: 80447

Ion Ratio Lower Upper

113 100

111 104.0 82.0 123.0

192 19.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.751 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021585.D

Acq: 20 Mar 2025 16:21

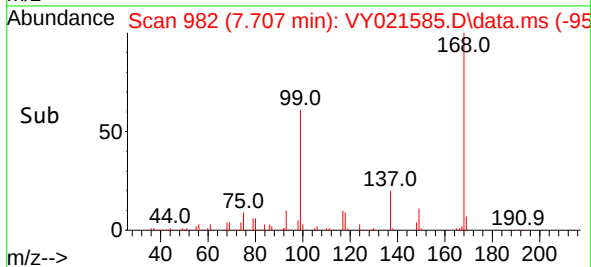
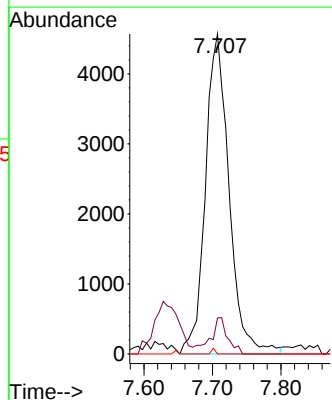
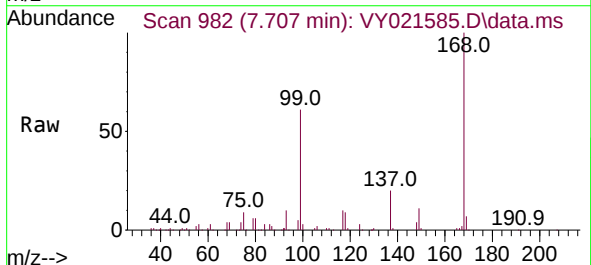
Tgt Ion: 75 Resp: 10972

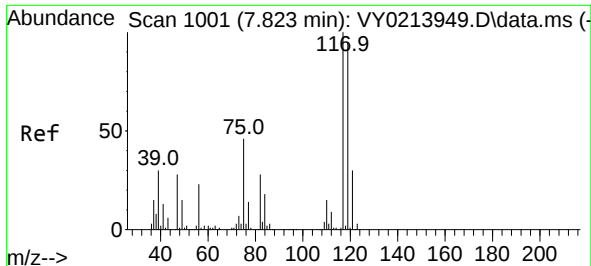
Ion Ratio Lower Upper

75 100

110 8.3 17.3 51.7#

77 0.3 25.4 38.2#

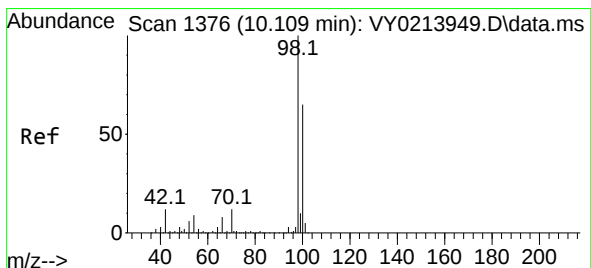
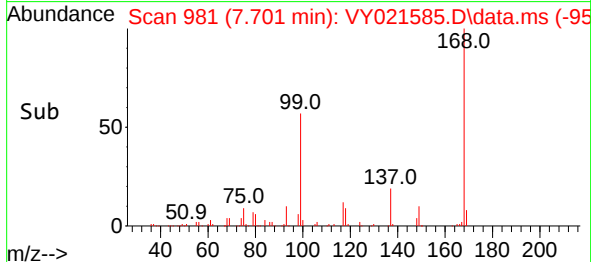
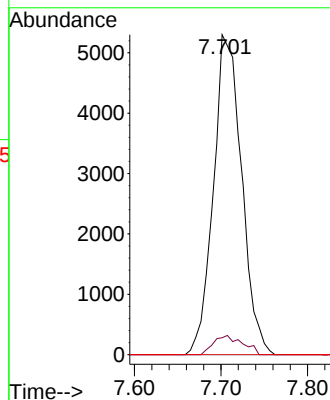
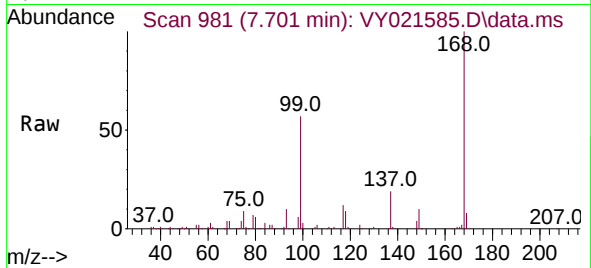




#38
Carbon Tetrachloride
Concen: 4.511 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.121 min
Lab File: VY021585.D
Acq: 20 Mar 2025 16:21

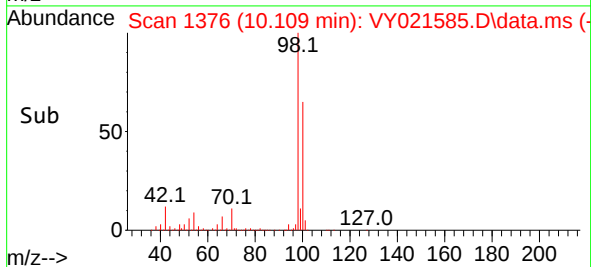
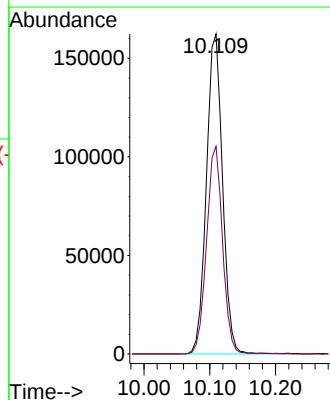
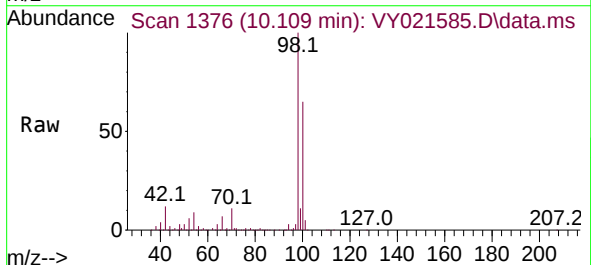
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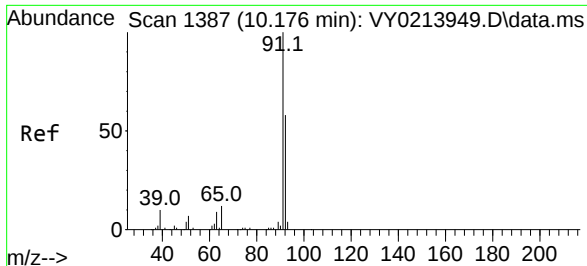
Tgt Ion:117 Resp: 11981
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 49.574 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021585.D
Acq: 20 Mar 2025 16:21

Tgt Ion: 98 Resp: 276928
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1

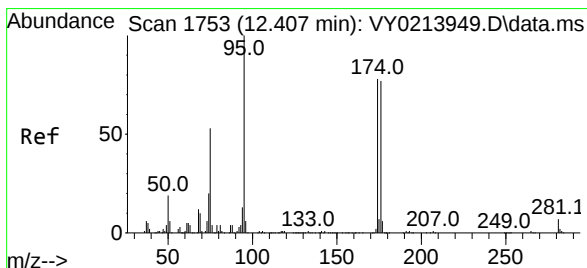
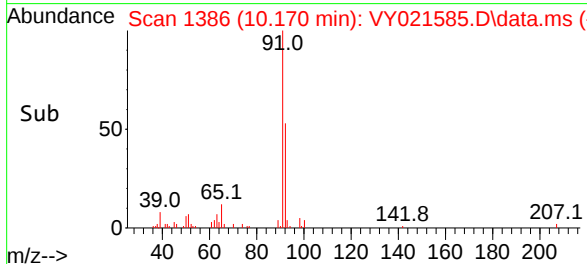
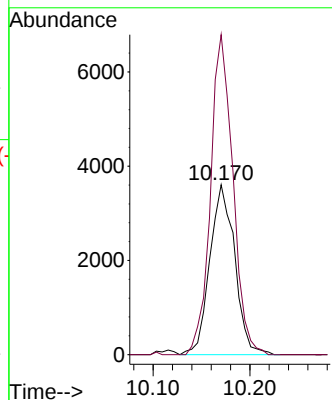
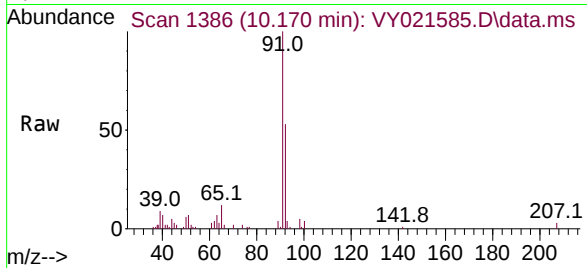




#52
Toluene
Concen: 1.504 ug/l
RT: 10.170 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY021585.D
Acq: 20 Mar 2025 16:21

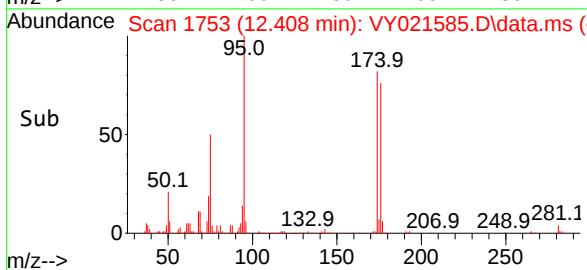
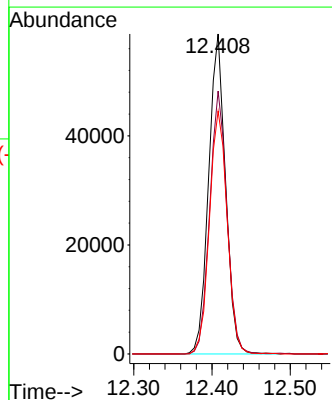
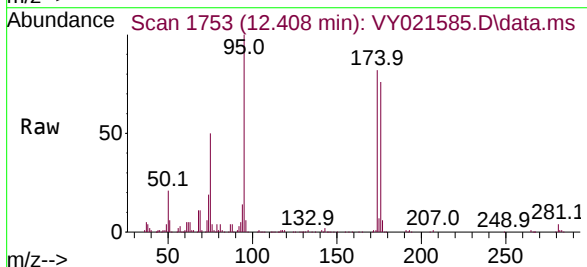
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

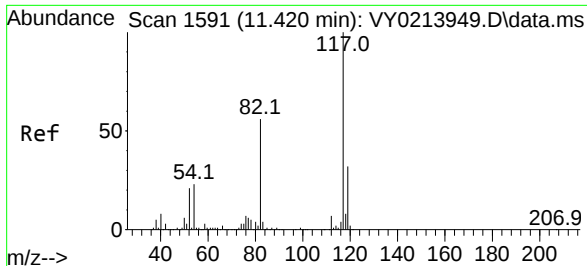
Tgt Ion: 92 Resp: 6449
Ion Ratio Lower Upper
92 100
91 169.5 138.2 207.2



#62
4-Bromofluorobenzene
Concen: 46.283 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021585.D
Acq: 20 Mar 2025 16:21

Tgt Ion: 95 Resp: 87946
Ion Ratio Lower Upper
95 100
174 83.7 0.0 165.0
176 79.5 0.0 160.0

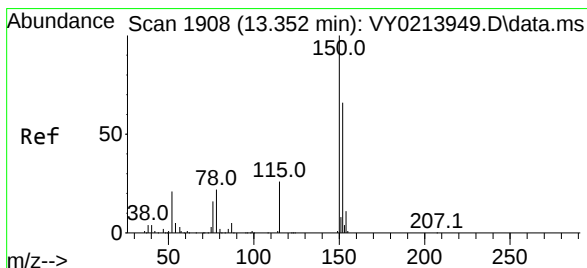
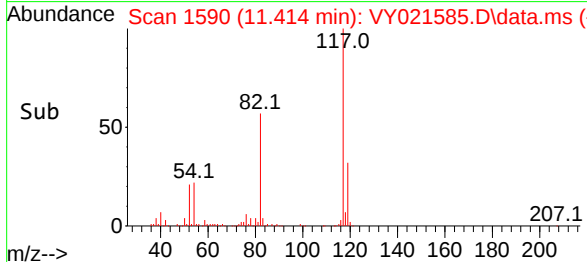
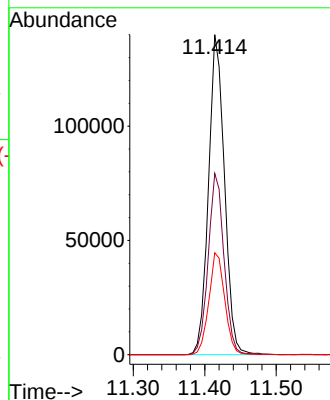
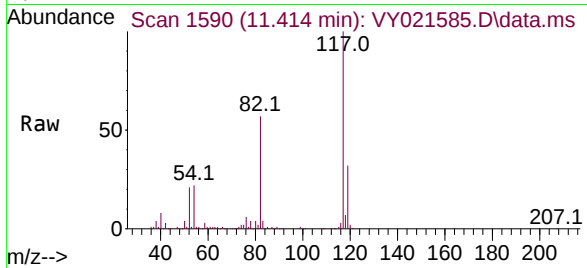




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY021585.D
Acq: 20 Mar 2025 16:21

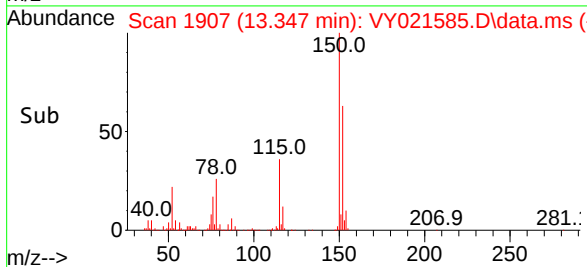
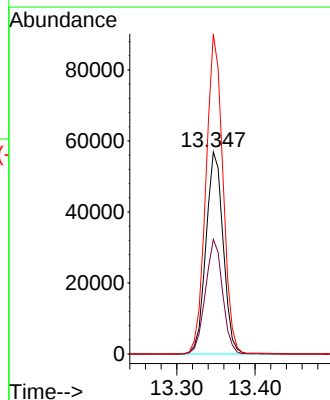
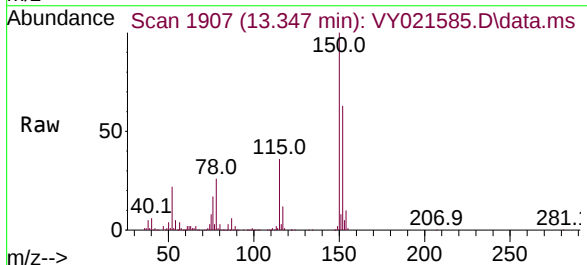
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

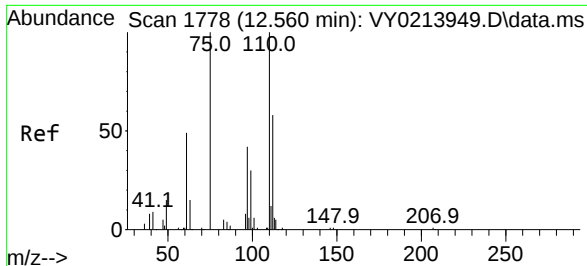
Tgt Ion:117 Resp: 217179
Ion Ratio Lower Upper
117 100
82 56.6 44.6 67.0
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021585.D
Acq: 20 Mar 2025 16:21

Tgt Ion:152 Resp: 86531
Ion Ratio Lower Upper
152 100
115 56.7 29.0 87.0
150 156.5 0.0 347.2

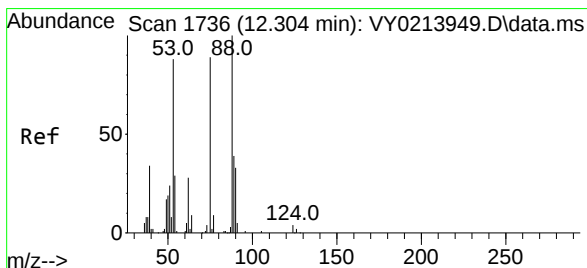
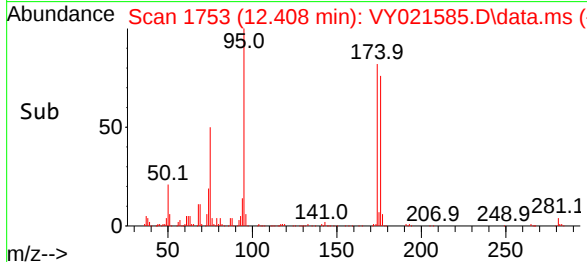
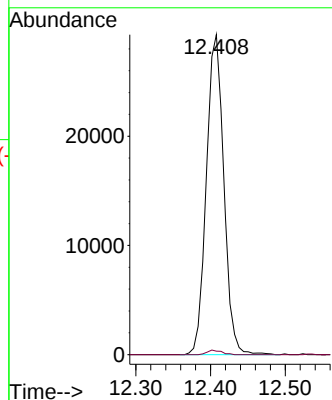
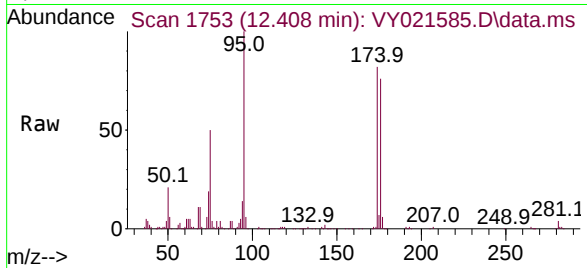




#76
1,2,3-Trichloropropane
Concen: 54.524 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021585.D
Acq: 20 Mar 2025 16:21

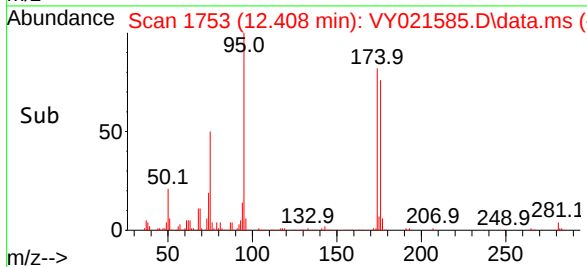
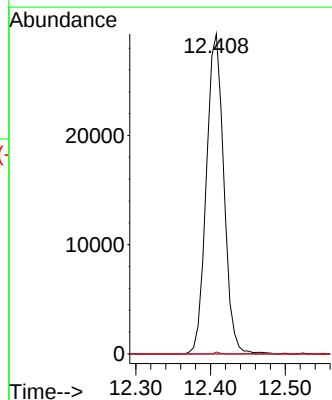
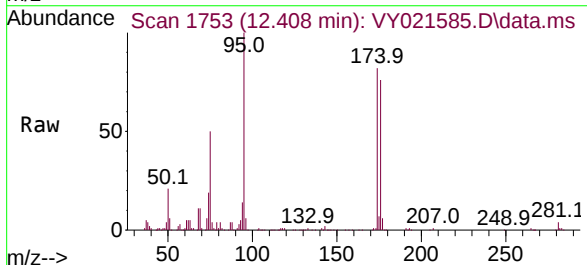
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

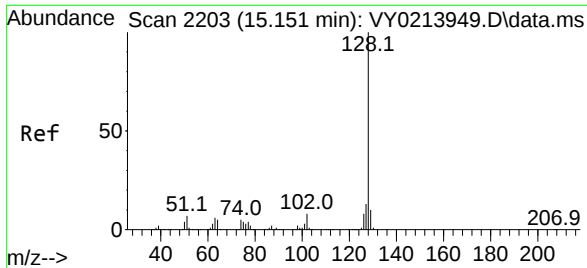
Tgt Ion: 75 Resp: 47543
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.951 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021585.D
Acq: 20 Mar 2025 16:21

Tgt Ion: 75 Resp: 47543
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.2 36.9 55.3#





#95

Naphthalene

Concen: 1.716 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY021585.D

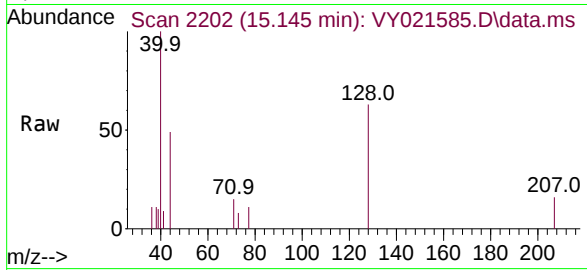
Acq: 20 Mar 2025 16:21

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:128 Resp: 626

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

