

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
 Data File : VY021620.D
 Acq On : 24 Mar 2025 16:01
 Operator : SY/MD
 Sample : Q1624-01
 Misc : 9.82g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-03212025

Quant Time: Mar 25 01:31:29 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	7.713	168	213707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	414700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	386555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	153824	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143614	63.581	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	127.160%
35) Dibromofluoromethane	7.634	113	146539	53.758	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.520%
50) Toluene-d8	10.103	98	510261	49.439	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.880%
62) 4-Bromofluorobenzene	12.408	95	158086	45.028	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.060%

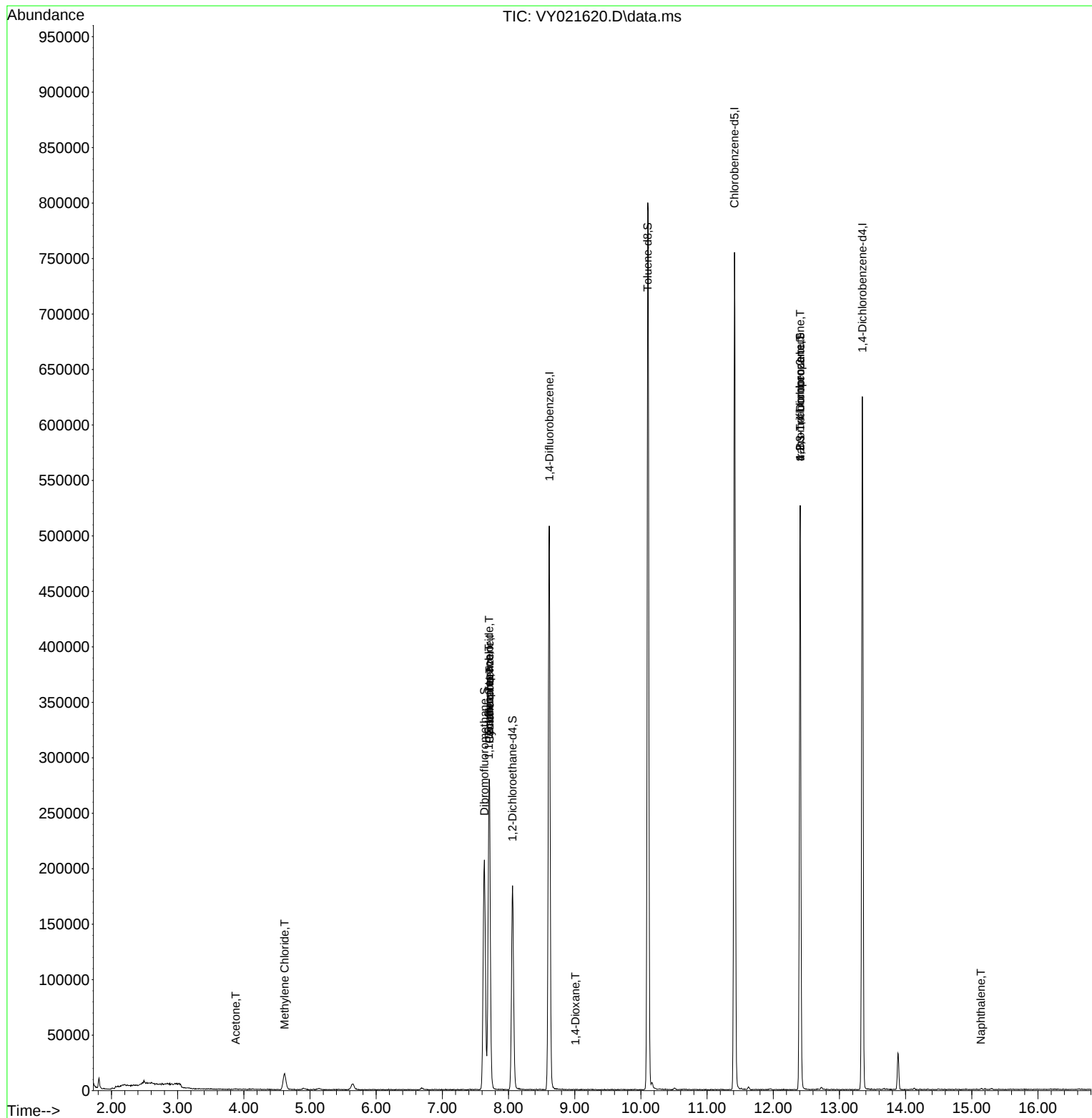
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.878	59	20	Below Cal	#	72
16) Acetone	3.879	43	772	1.567	ug/l #	47
20) Methylene Chloride	4.616	84	9861	3.813	ug/l #	88
31) Cyclohexane	7.713	56	4957	1.172	ug/l #	21
36) 1,1-Dichloropropene	7.701	75	18089	4.239	ug/l #	50
38) Carbon Tetrachloride	7.707	117	22254	4.535	ug/l #	17
49) 1,4-Dioxane	9.012	88	27	1.653	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	84599	54.578	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	84599	124.073	ug/l #	9
95) Naphthalene	15.139	128	937	1.674	ug/l #	83

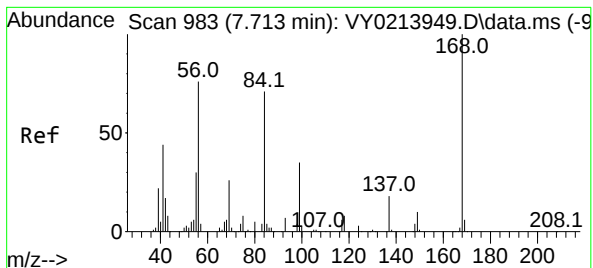
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
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Instrument :
MSVOA_Y
ClientSampleId :
OK-01-03212025

Quant Time: Mar 25 01:31:29 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY021620.D

Acq: 24 Mar 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

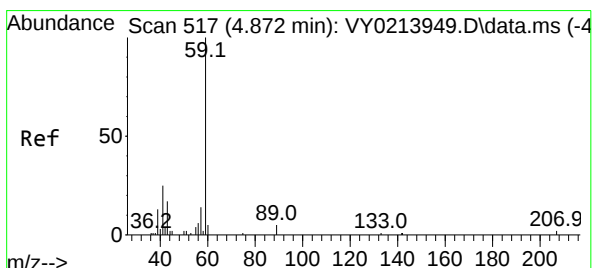
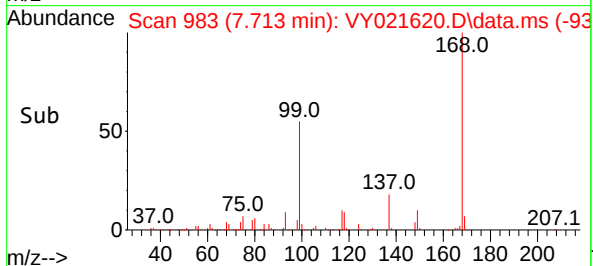
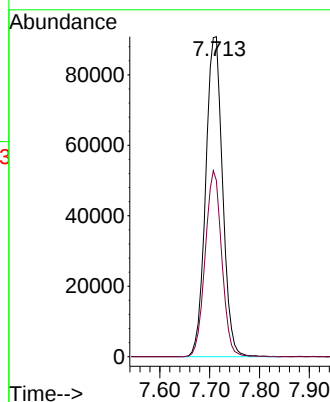
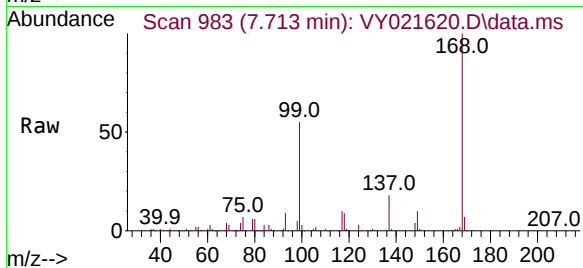
OK-01-03212025

Tgt Ion:168 Resp: 213707

Ion Ratio Lower Upper

168 100

99 55.1 46.0 69.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.878 min Scan# 518

Delta R.T. 0.006 min

Lab File: VY021620.D

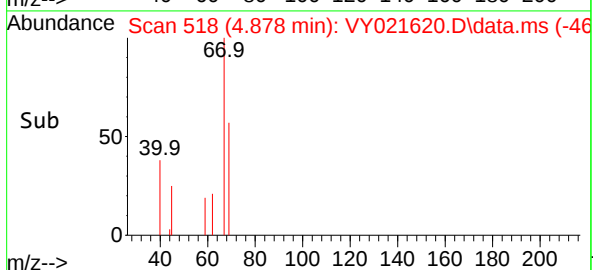
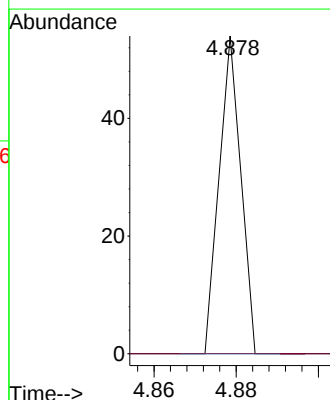
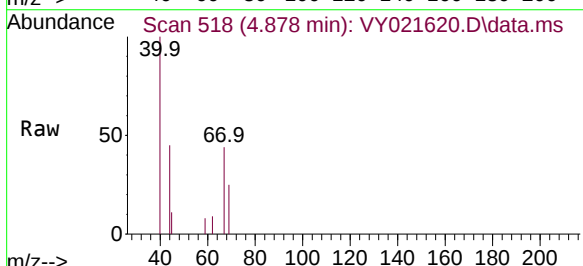
Acq: 24 Mar 2025 16:01

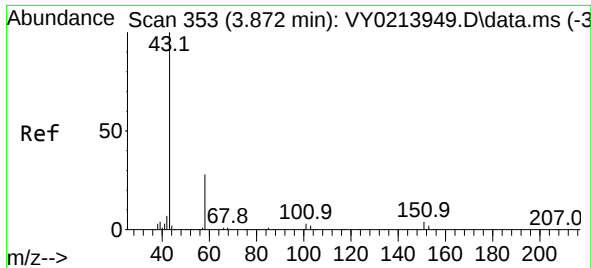
Tgt Ion: 59 Resp: 20

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

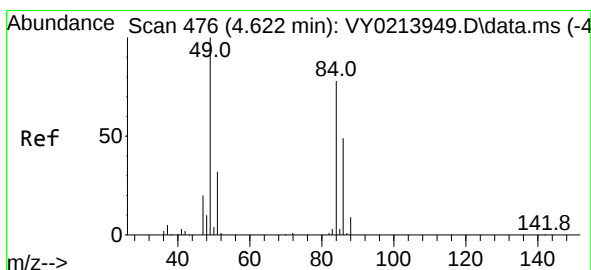
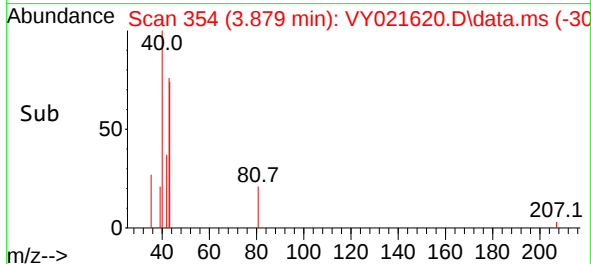
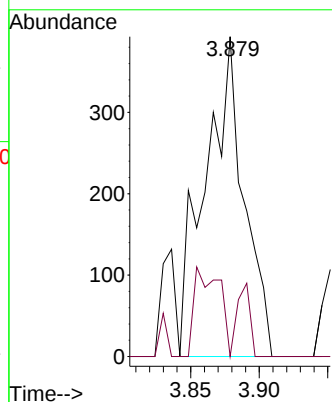
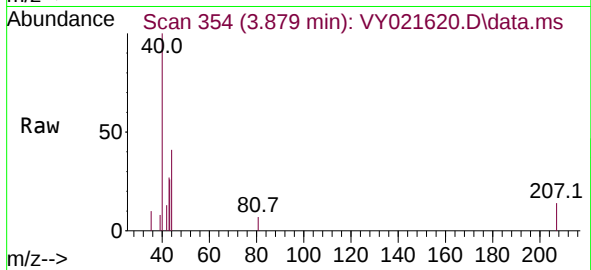




#16
Acetone
Concen: 1.567 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY021620.D
Acq: 24 Mar 2025 16:01

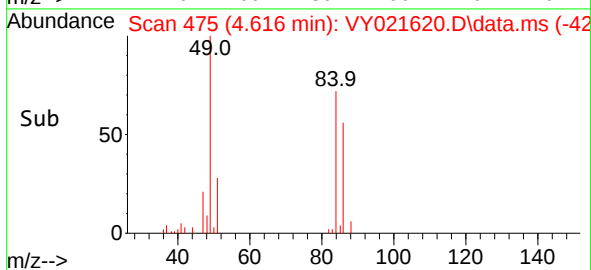
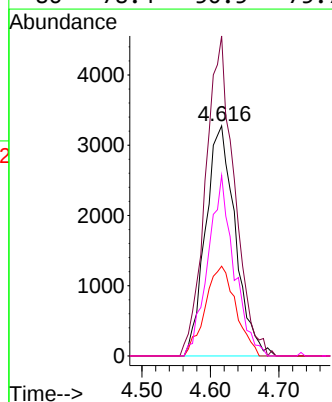
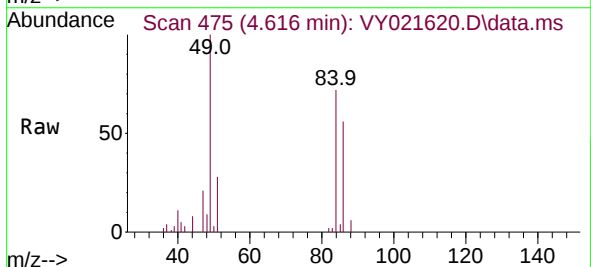
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-03212025

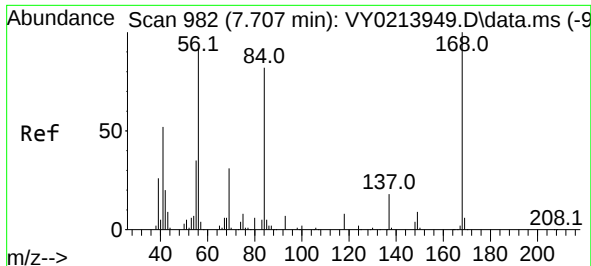
Tgt Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: 3.813 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021620.D
Acq: 24 Mar 2025 16:01

Tgt Ion: 84 Resp: 9861
Ion Ratio Lower Upper
84 100
49 139.1 102.0 153.0
51 39.0 33.0 49.6
86 78.4 50.5 75.7#

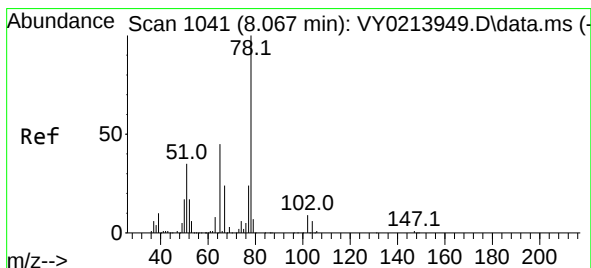
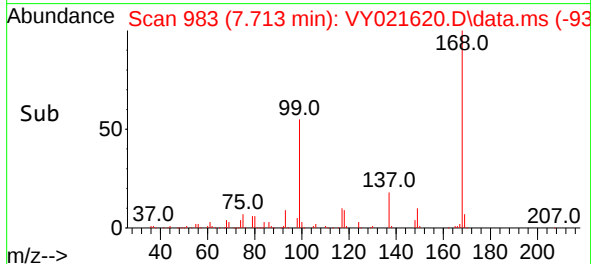
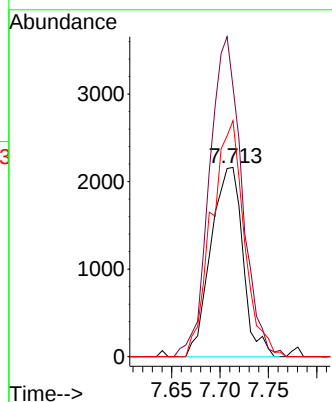
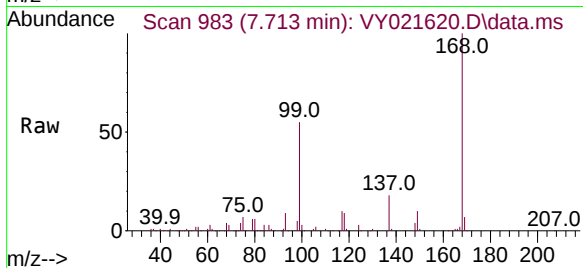




#31
Cyclohexane
Concen: 1.172 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021620.D
Acq: 24 Mar 2025 16:01

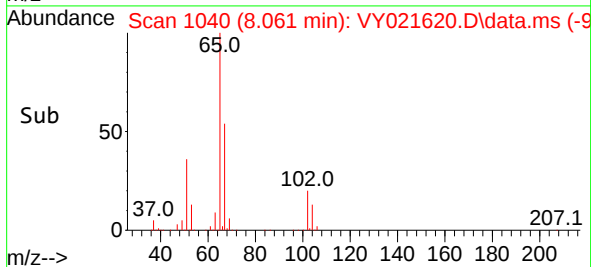
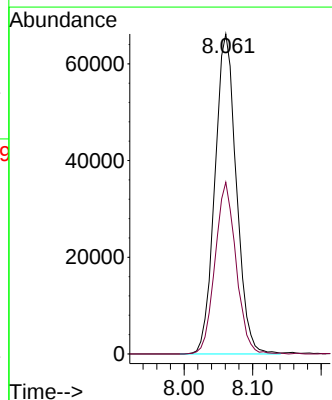
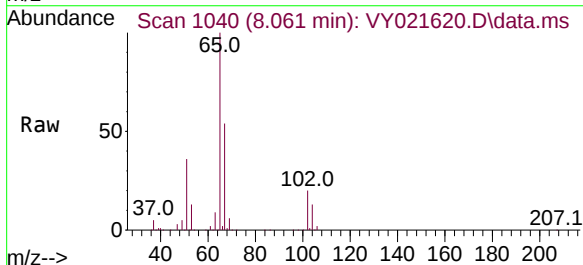
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-03212025

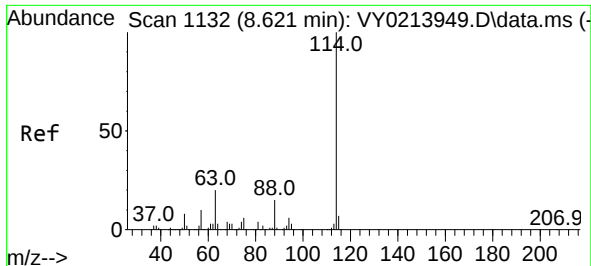
Tgt Ion: 56 Resp: 4957
Ion Ratio Lower Upper
56 100
69 139.2 27.0 40.4#
84 124.7 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 63.581 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021620.D
Acq: 24 Mar 2025 16:01

Tgt Ion: 65 Resp: 143614
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.8

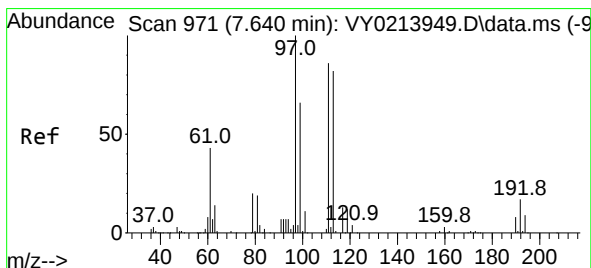
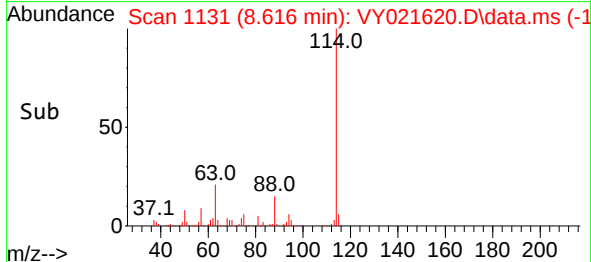
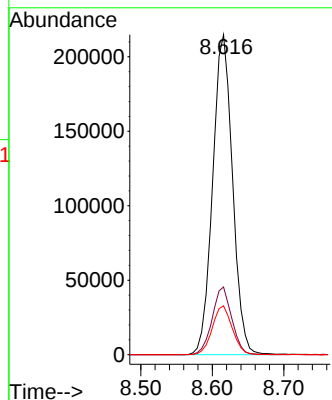
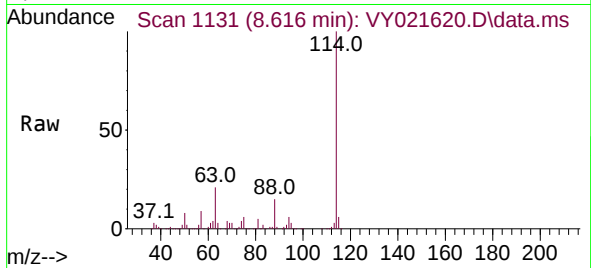




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021620.D
Acq: 24 Mar 2025 16:01

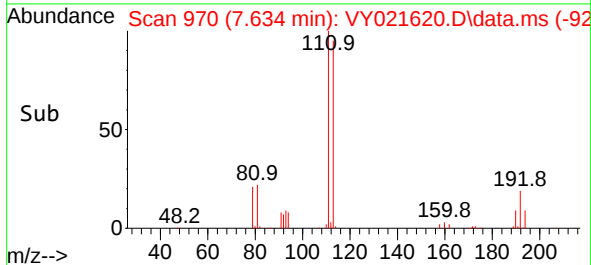
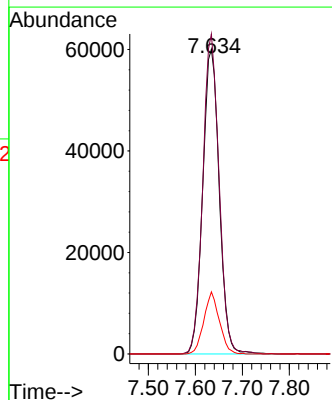
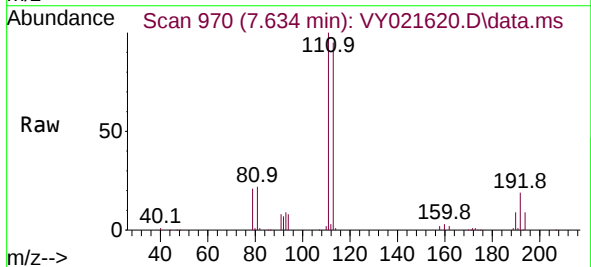
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-03212025

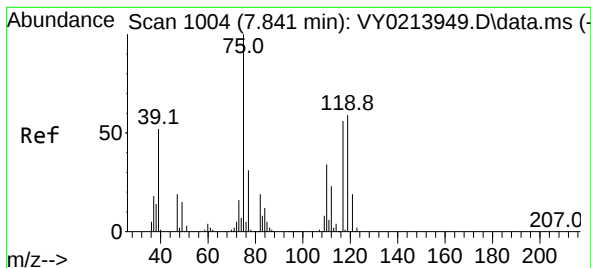
Tgt Ion:114 Resp: 414700
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 15.2 0.0 30.8



#35
Dibromofluoromethane
Concen: 53.758 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021620.D
Acq: 24 Mar 2025 16:01

Tgt Ion:113 Resp: 146539
Ion Ratio Lower Upper
113 100
111 103.2 82.0 123.0
192 19.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.239 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY021620.D

Acq: 24 Mar 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-03212025

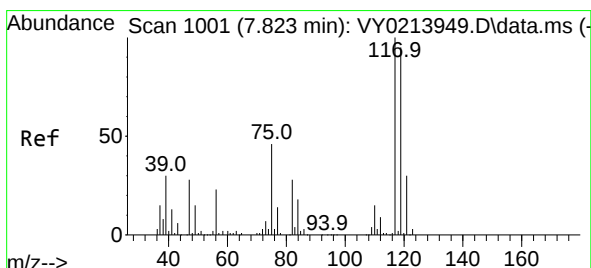
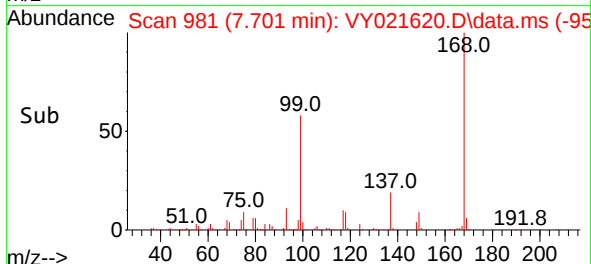
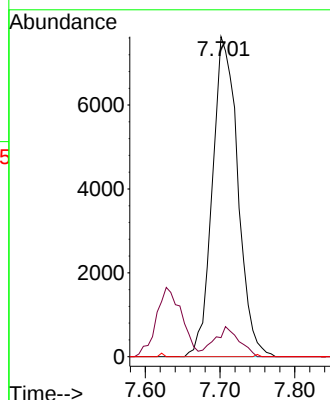
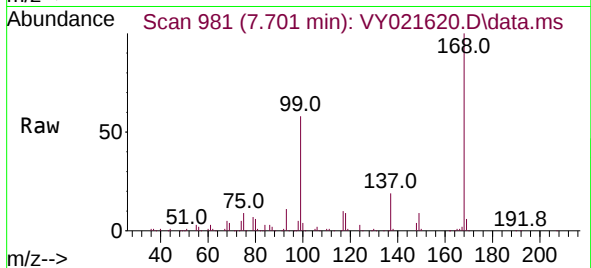
Tgt Ion: 75 Resp: 18089

Ion Ratio Lower Upper

75 100

110 9.1 17.3 51.7#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 4.535 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.115 min

Lab File: VY021620.D

Acq: 24 Mar 2025 16:01

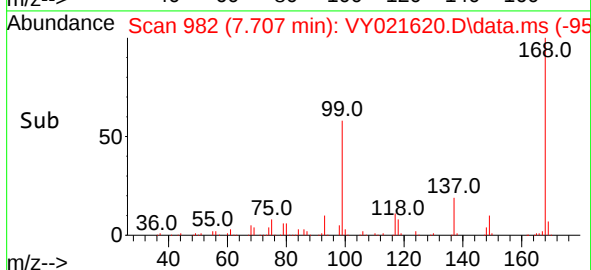
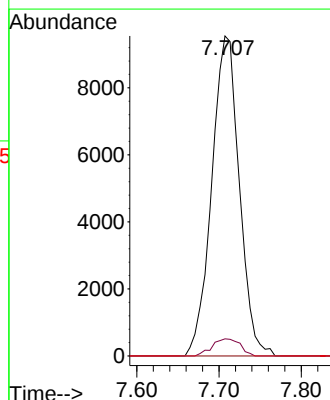
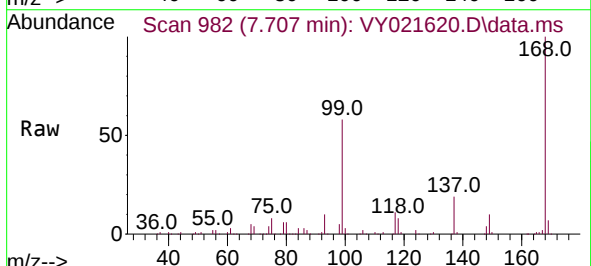
Tgt Ion: 117 Resp: 22254

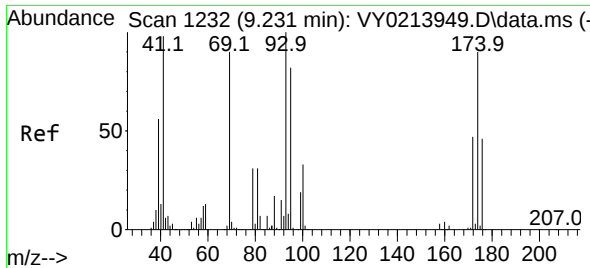
Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.8#

121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 1.653 ug/l

RT: 9.012 min Scan# 1196

Delta R.T. -0.219 min

Lab File: VY021620.D

Acq: 24 Mar 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-03212025

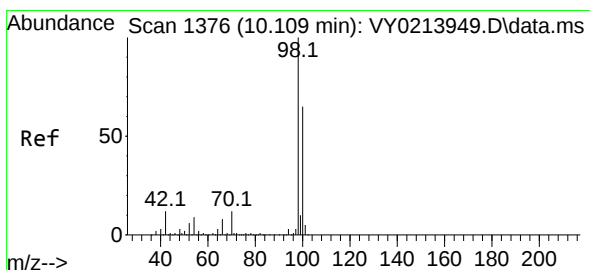
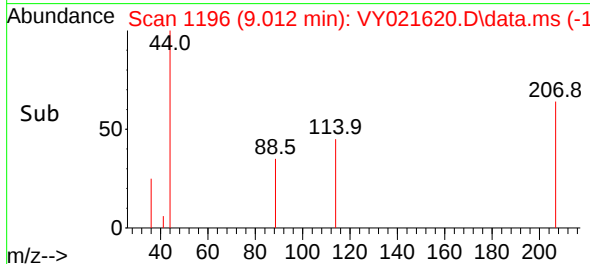
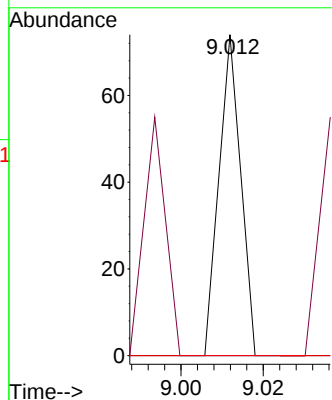
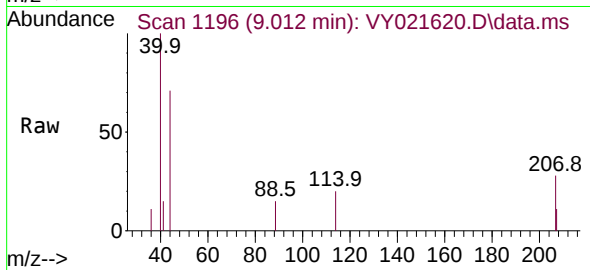
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 74.1 25.0 37.4#

58 0.0 58.4 87.6#



#50

Toluene-d8

Concen: 49.439 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021620.D

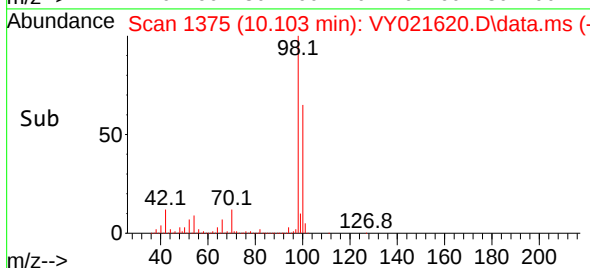
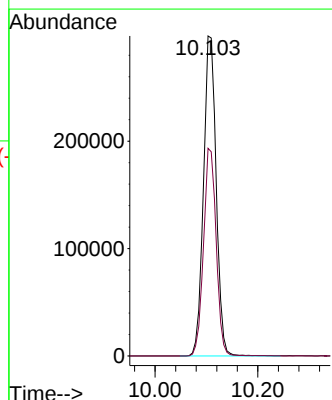
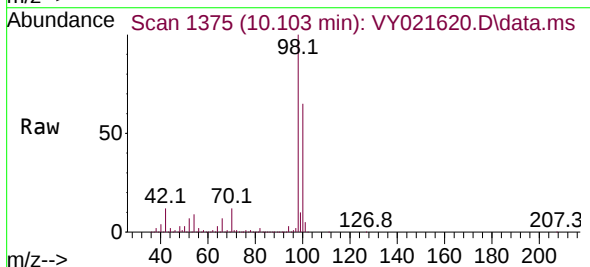
Acq: 24 Mar 2025 16:01

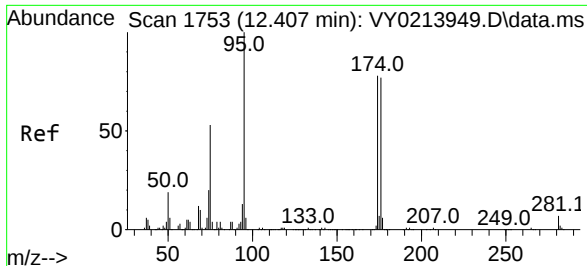
Tgt Ion: 98 Resp: 510261

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 45.028 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021620.D

Acq: 24 Mar 2025 16:01

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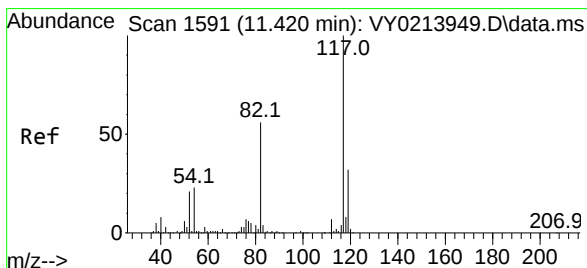
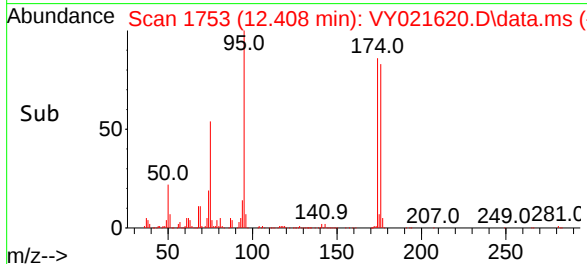
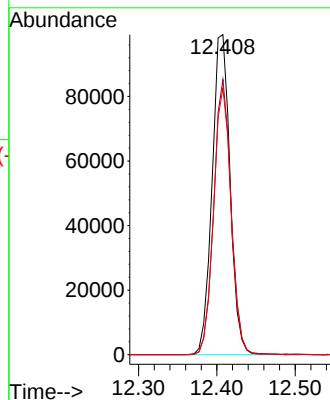
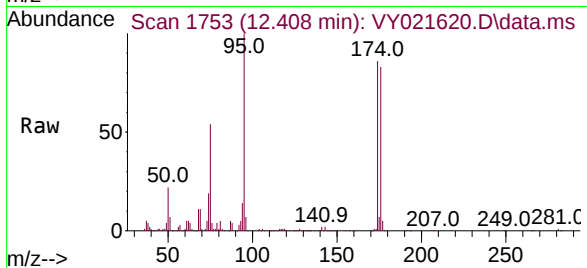
Tgt Ion: 95 Resp: 158086

Ion Ratio Lower Upper

95 100

174 82.8 0.0 165.0

176 81.3 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021620.D

Acq: 24 Mar 2025 16:01

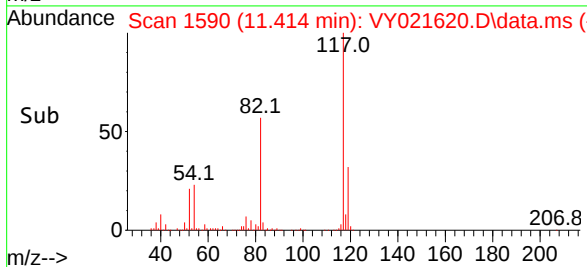
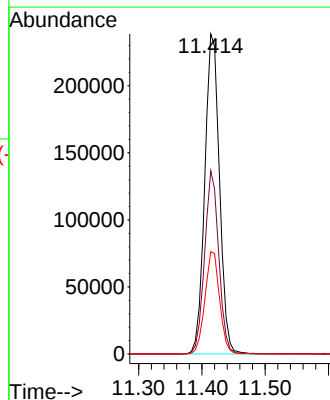
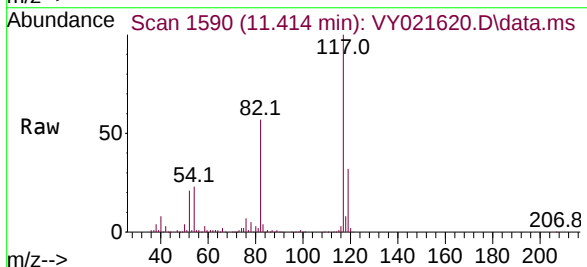
Tgt Ion: 117 Resp: 386555

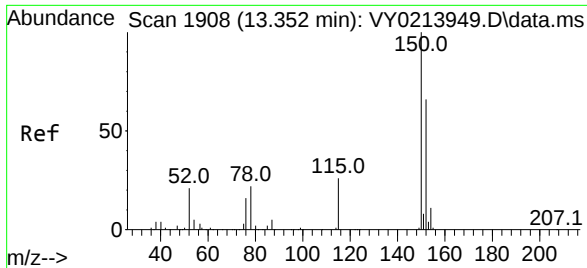
Ion Ratio Lower Upper

117 100

82 57.3 44.6 67.0

119 32.0 25.4 38.0

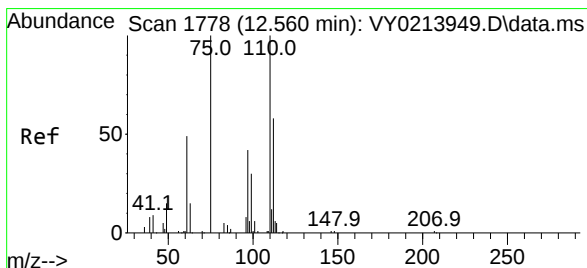
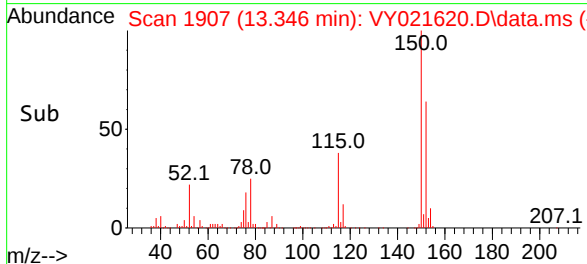
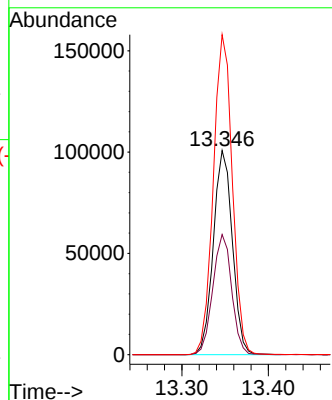
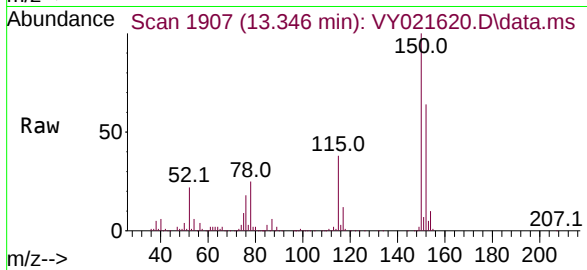




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021620.D
 Acq: 24 Mar 2025 16:01

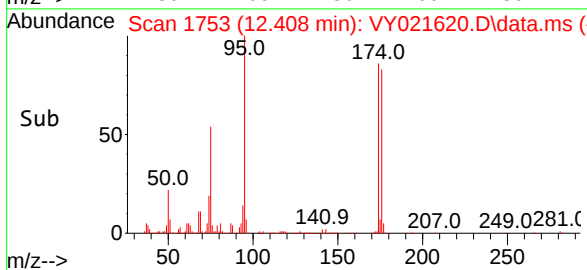
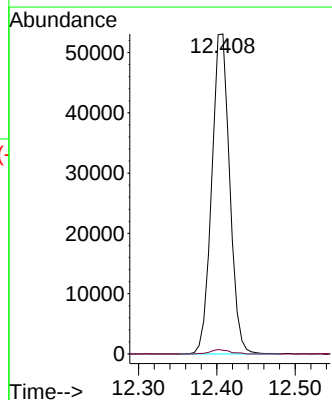
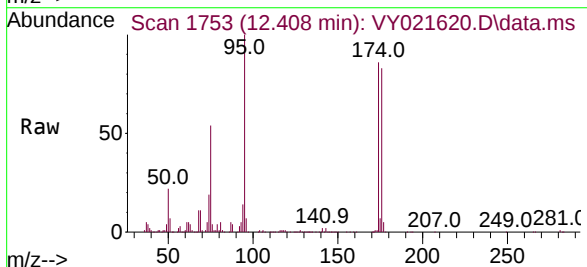
Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-03212025

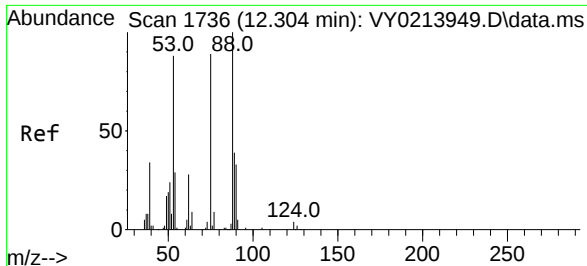
Tgt Ion:152 Resp: 153824
 Ion Ratio Lower Upper
 152 100
 115 58.5 29.0 87.0
 150 156.4 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 54.578 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021620.D
 Acq: 24 Mar 2025 16:01

Tgt Ion: 75 Resp: 84599
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

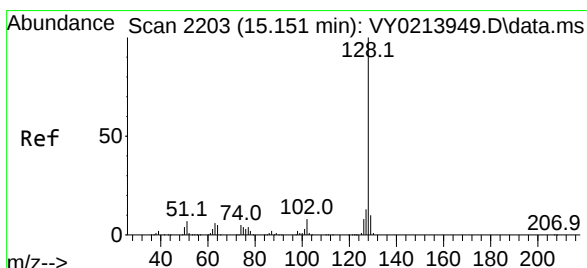
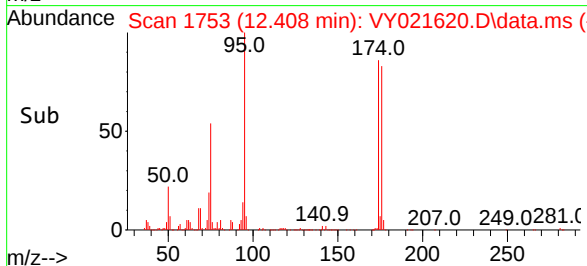
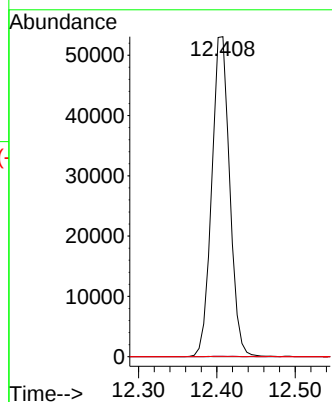
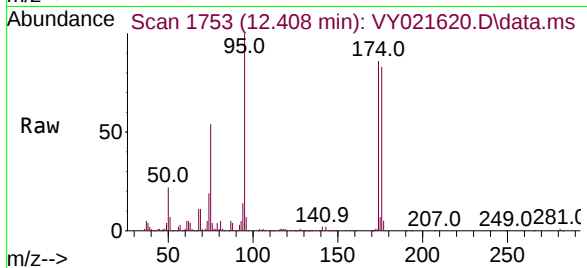




#81
trans-1,4-Dichloro-2-butene
Concen: 124.073 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021620.D
Acq: 24 Mar 2025 16:01

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-03212025

Tgt Ion: 75 Resp: 84599
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 1.674 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.012 min
Lab File: VY021620.D
Acq: 24 Mar 2025 16:01

Tgt Ion: 128 Resp: 937
Ion Ratio Lower Upper
128 100
127 2.8 10.6 15.8#
129 13.1 8.6 13.0#

