

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021890.D
 Acq On : 15 Apr 2025 12:52
 Operator : SY/MD
 Sample : Q1807-01
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-041425

Quant Time: Apr 16 03:01:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

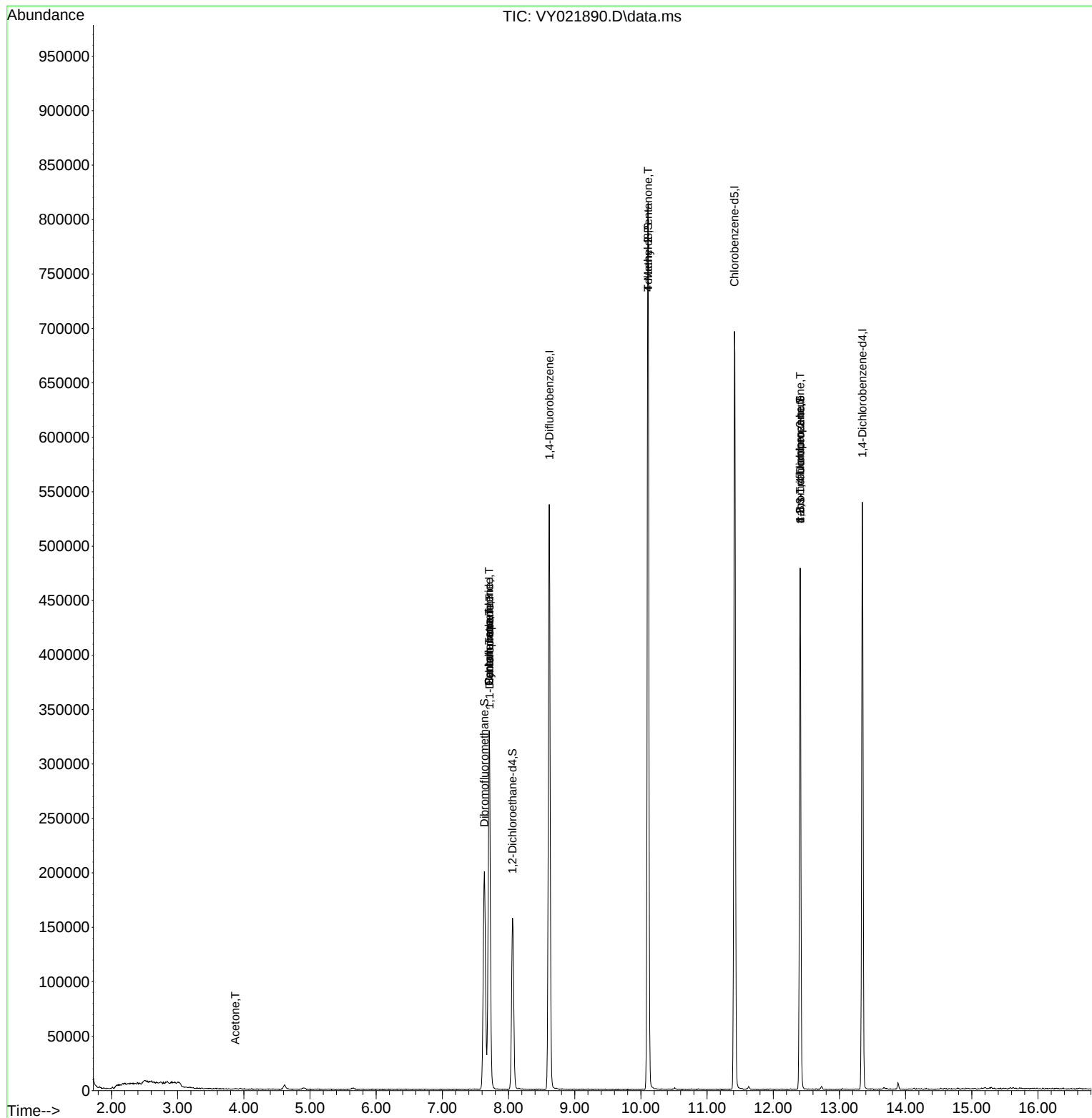
Internal Standards						
1) Pentafluorobenzene	7.707	168	245631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	444107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	368178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	132979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126302	47.458	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.920%
35) Dibromofluoromethane	7.634	113	143397	49.776	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.560%
50) Toluene-d8	10.109	98	527648	48.145	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.280%
62) 4-Bromofluorobenzene	12.407	95	140156	37.808	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.620%
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	1018	1.869	ug/l	94
20) Methylene Chloride	4.610	84	2528	Below Cal	#	81
31) Cyclohexane	7.707	56	5489	1.169	ug/l #	16
36) 1,1-Dichloropropene	7.713	75	18828	4.291	ug/l #	51
38) Carbon Tetrachloride	7.707	117	24589	4.893	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	2584	1.265	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	73924	56.081	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	73924	129.220	ug/l #	11

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

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Response via : Initial Calibration

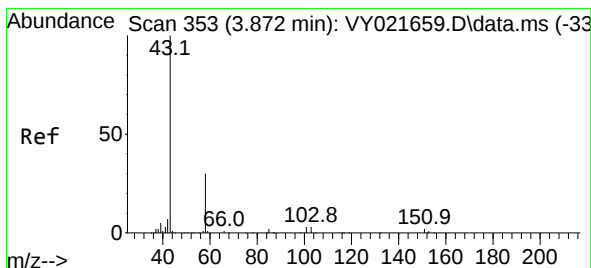
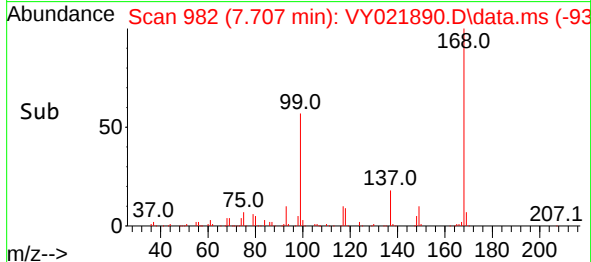
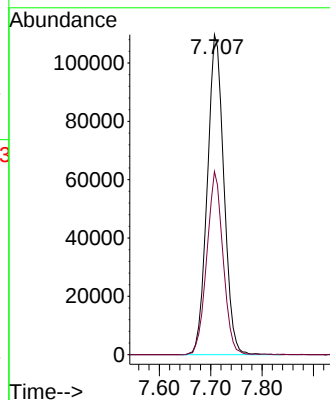
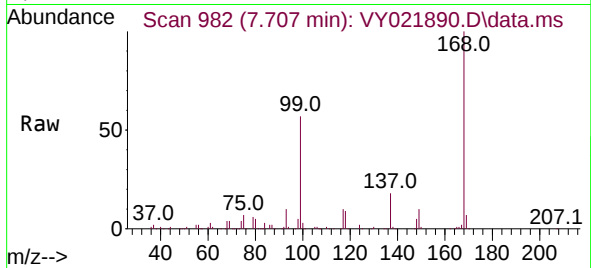




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021890.D
Acq: 15 Apr 2025 12:52

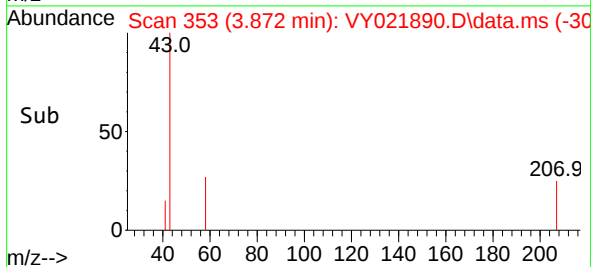
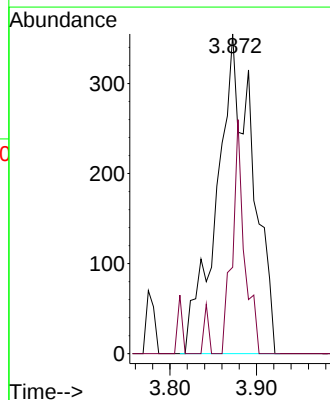
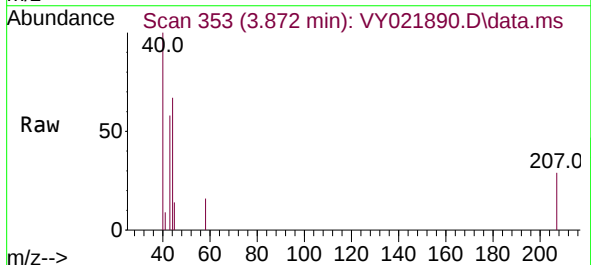
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-041425

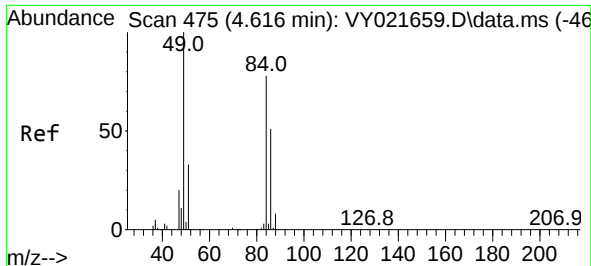
Tgt Ion:168 Resp: 245631
Ion Ratio Lower Upper
168 100
99 57.3 46.7 70.1



#16
Acetone
Concen: 1.869 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021890.D
Acq: 15 Apr 2025 12:52

Tgt Ion: 43 Resp: 1018
Ion Ratio Lower Upper
43 100
58 27.0 24.2 36.4





#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY021890.D

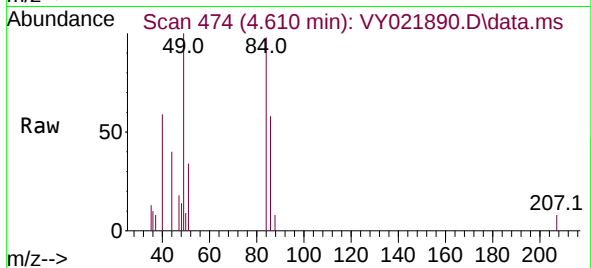
Acq: 15 Apr 2025 12:52

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-041425



Tgt Ion: 84 Resp: 2528

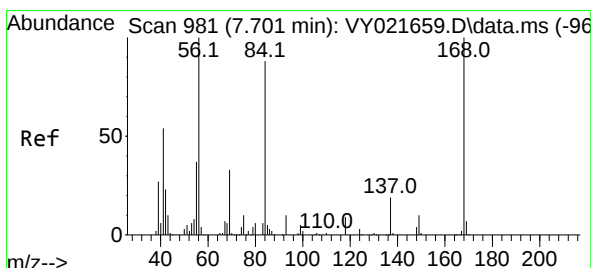
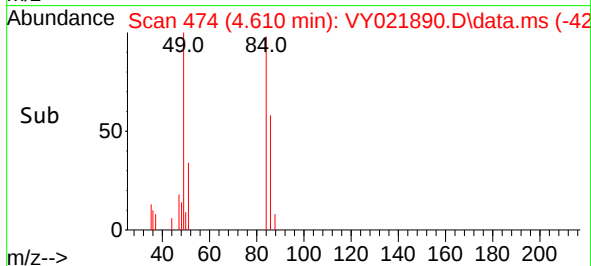
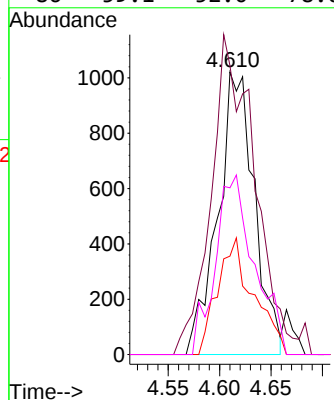
Ion	Ratio	Lower	Upper
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84	100		
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49	96.5	102.8	154.2#
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51	34.9	33.5	50.3
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86	59.1	52.0	78.0
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#31

Cyclohexane

Concen: 1.169 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY021890.D

Acq: 15 Apr 2025 12:52

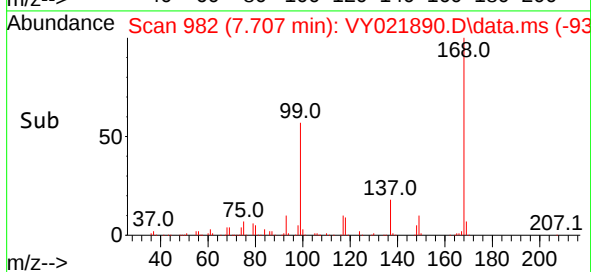
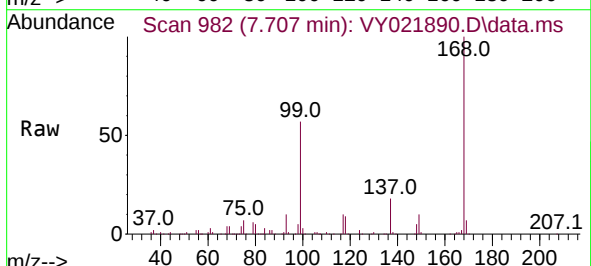
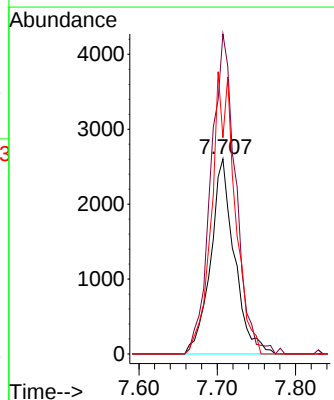
Tgt Ion: 56 Resp: 5489

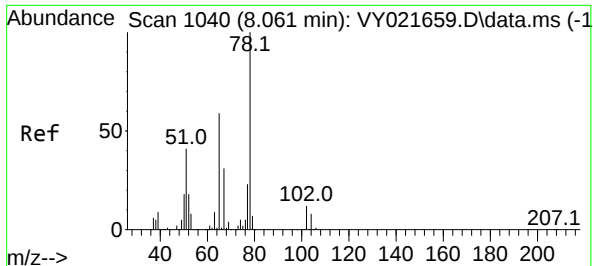
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

56	100		
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69	164.1	26.6	40.0#
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84	110.9	69.0	103.4#
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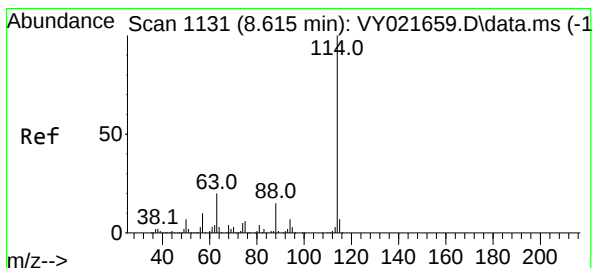
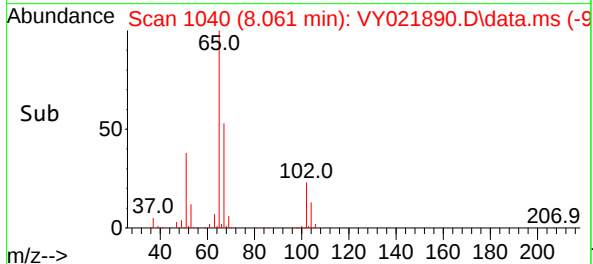
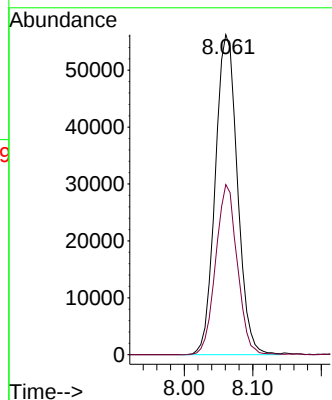
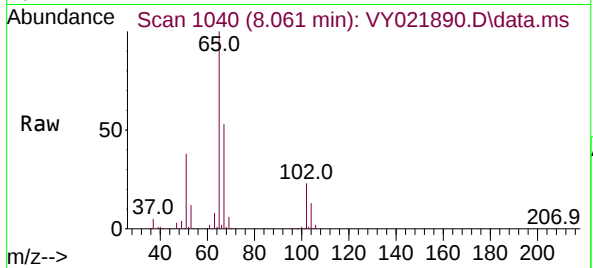




#33
 1,2-Dichloroethane-d4
 Concen: 47.458 ug/l
 RT: 8.061 min Scan# 1104
 Delta R.T. 0.000 min
 Lab File: VY021890.D
 Acq: 15 Apr 2025 12:52

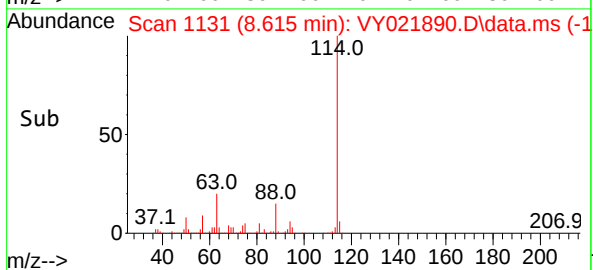
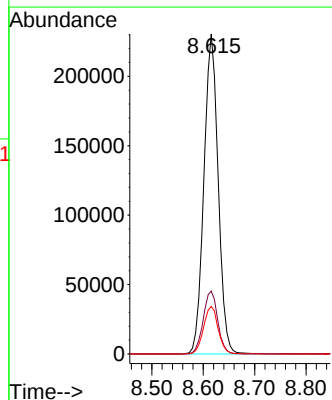
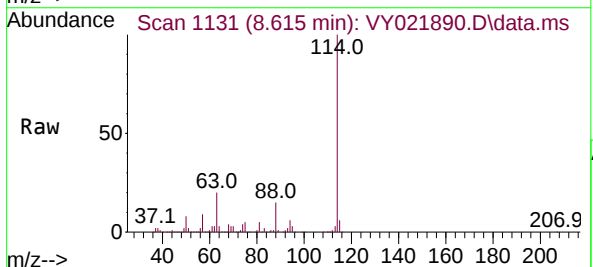
Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-041425

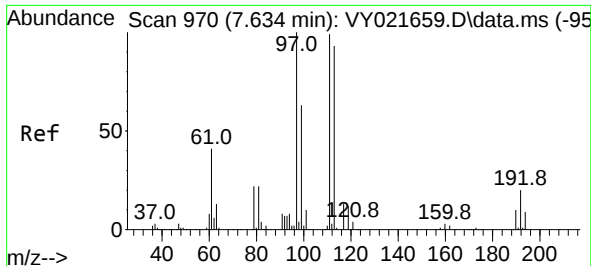
Tgt Ion: 65 Resp: 126302
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.615 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021890.D
 Acq: 15 Apr 2025 12:52

Tgt Ion: 114 Resp: 444107
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.2
 88 14.9 0.0 29.8

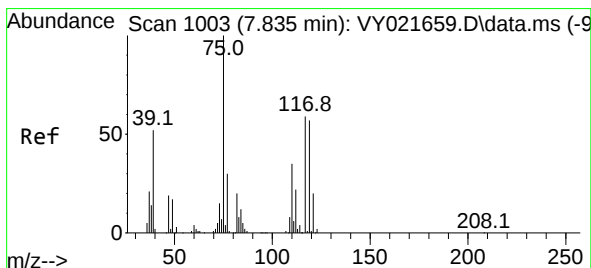
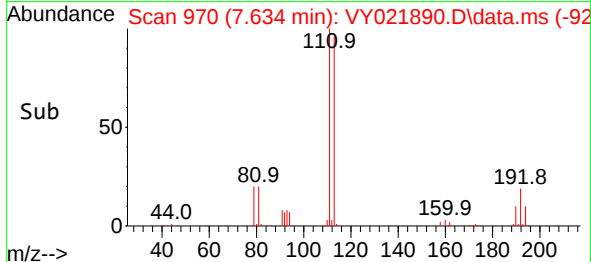
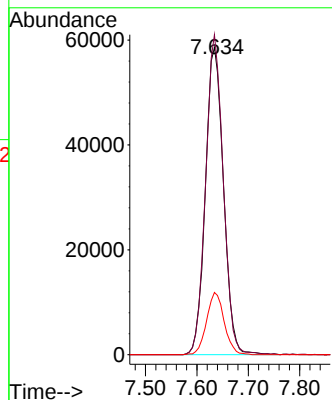
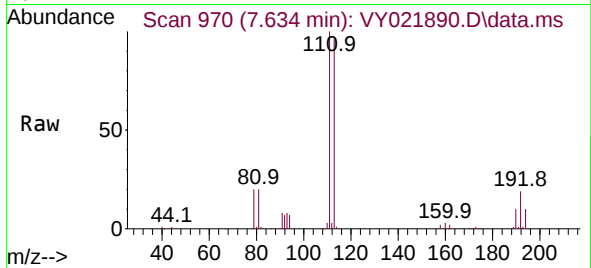




#35
Dibromofluoromethane
Concen: 49.776 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021890.D
Acq: 15 Apr 2025 12:52

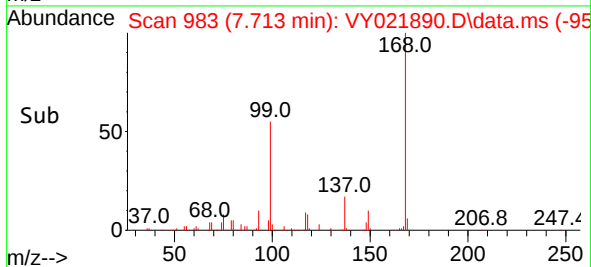
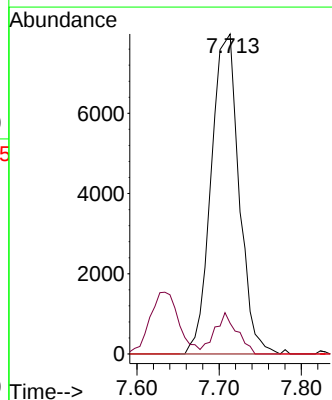
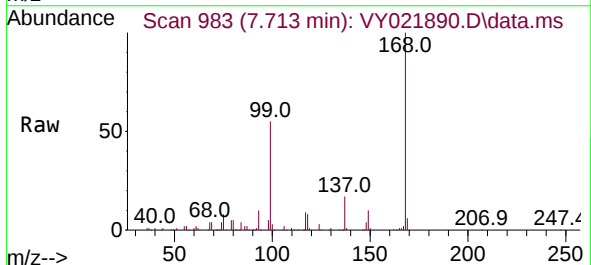
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-041425

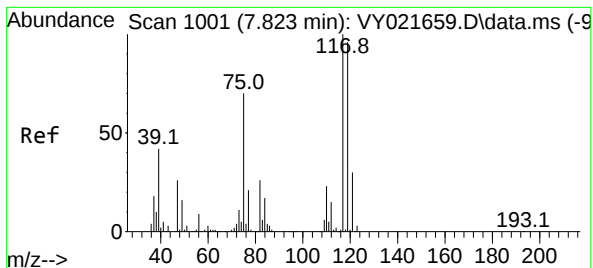
Tgt Ion:113 Resp: 143397
Ion Ratio Lower Upper
113 100
111 101.4 82.6 123.8
192 19.7 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.291 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY021890.D
Acq: 15 Apr 2025 12:52

Tgt Ion: 75 Resp: 18828
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.893 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY021890.D

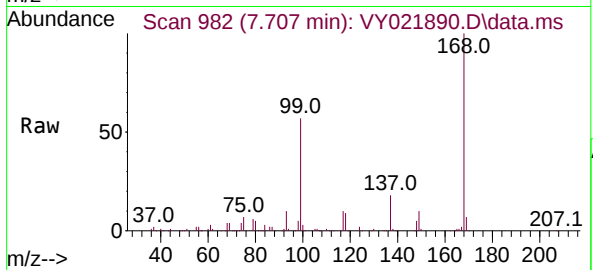
Acq: 15 Apr 2025 12:52

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-041425



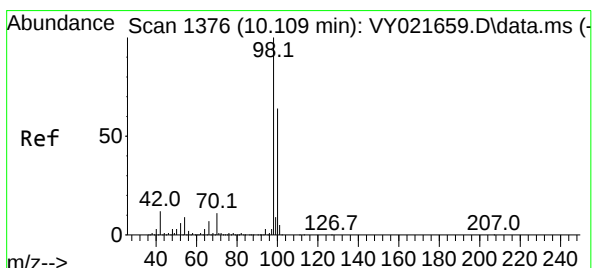
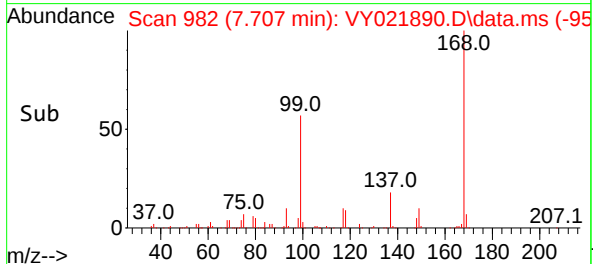
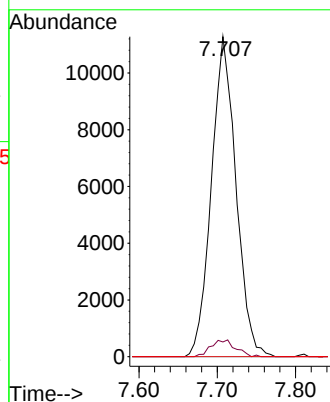
Tgt Ion:117 Resp: 24589

Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 48.145 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021890.D

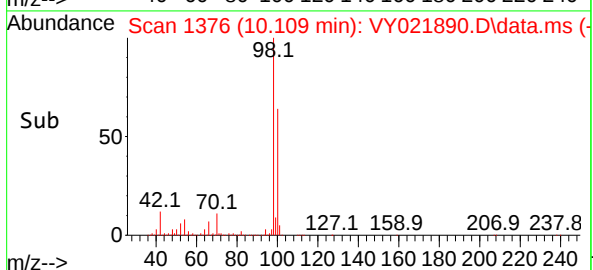
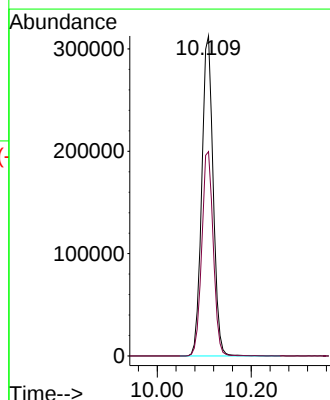
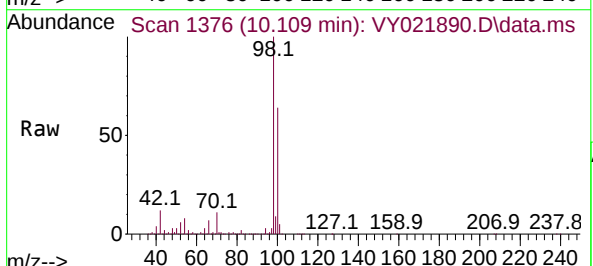
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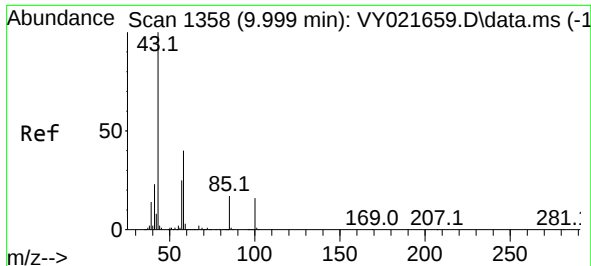
Tgt Ion: 98 Resp: 527648

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1

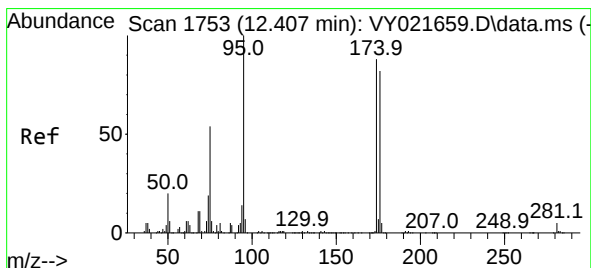
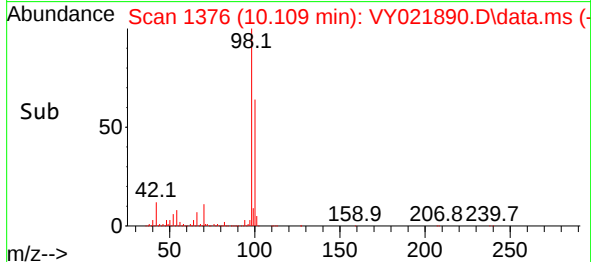
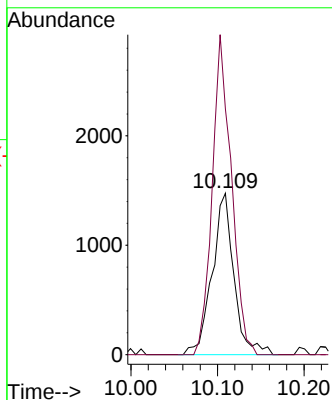
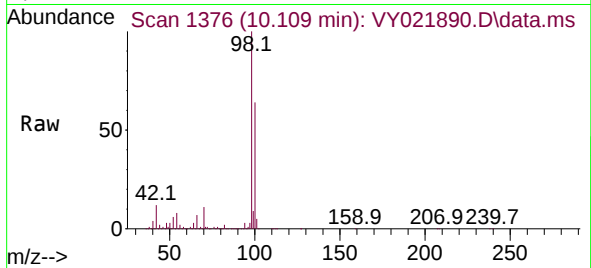




#51
4-Methyl-2-Pentanone
Concen: 1.265 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY021890.D
Acq: 15 Apr 2025 12:52

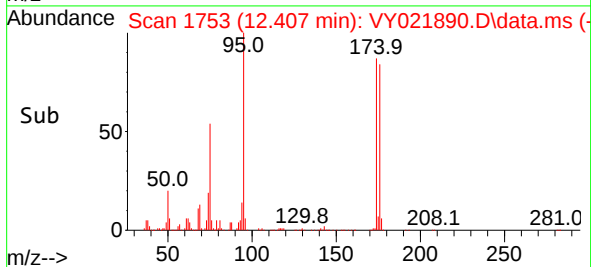
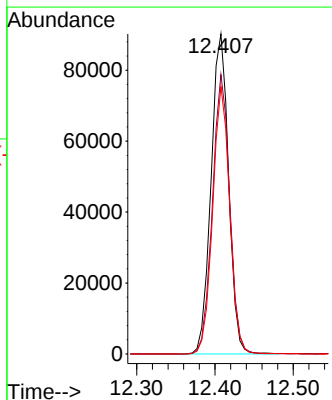
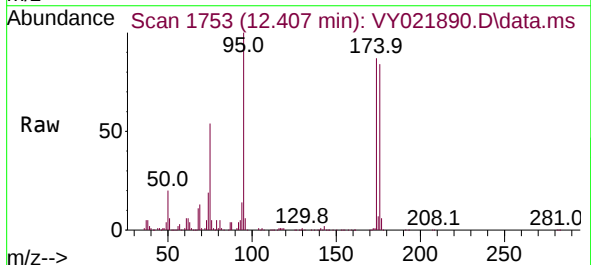
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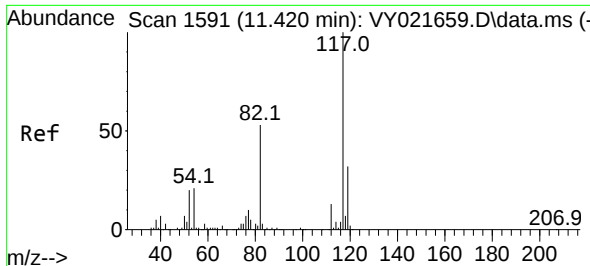
Tgt Ion: 43 Resp: 2584
Ion Ratio Lower Upper
43 100
58 174.5 31.5 47.3#



#62
4-Bromofluorobenzene
Concen: 37.808 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021890.D
Acq: 15 Apr 2025 12:52

Tgt Ion: 95 Resp: 140156
Ion Ratio Lower Upper
95 100
174 86.1 0.0 170.8
176 81.2 0.0 162.0

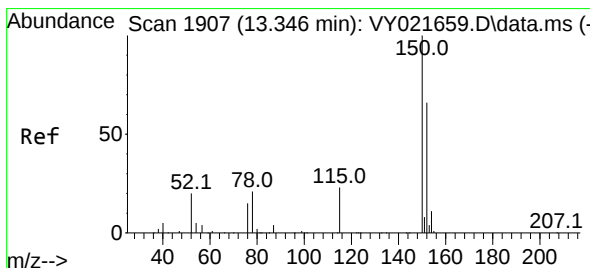
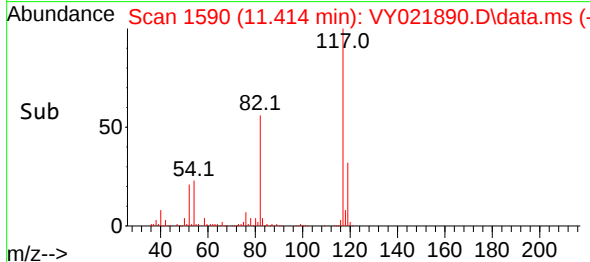
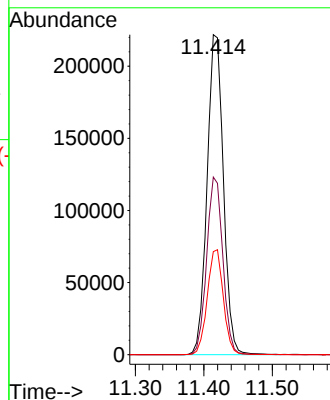
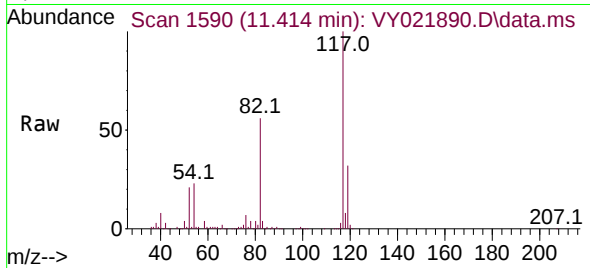




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021890.D
Acq: 15 Apr 2025 12:52

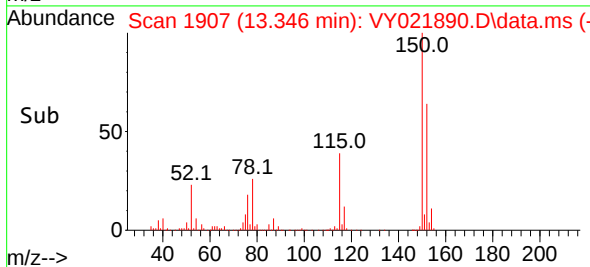
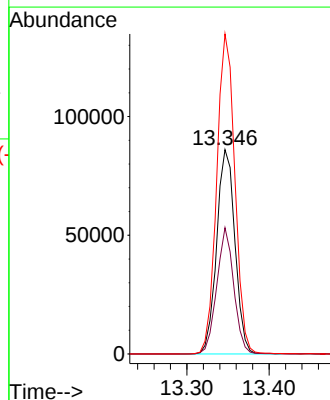
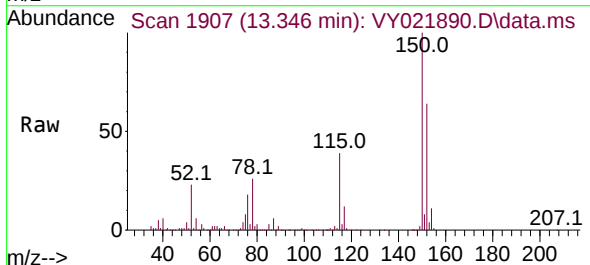
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-041425

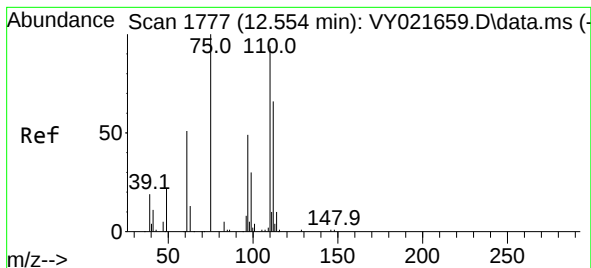
Tgt Ion:117 Resp: 368178
Ion Ratio Lower Upper
117 100
82 55.5 42.8 64.2
119 32.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021890.D
Acq: 15 Apr 2025 12:52

Tgt Ion:152 Resp: 132979
Ion Ratio Lower Upper
152 100
115 57.6 28.8 86.5
150 155.5 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 56.081 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021890.D

Acq: 15 Apr 2025 12:52

Instrument :

MSVOA_Y

ClientSampleId :

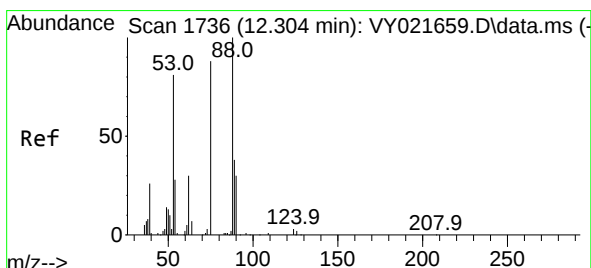
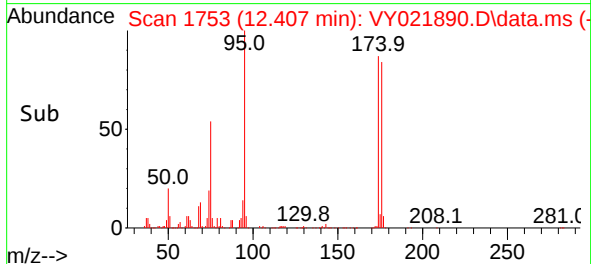
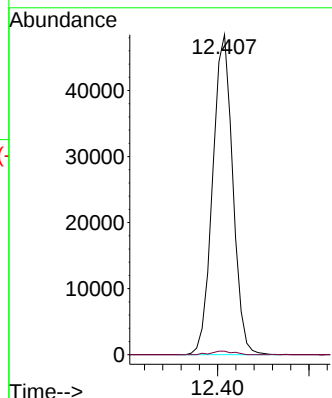
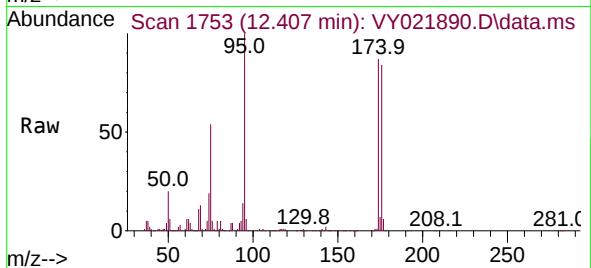
OK-02-041425

Tgt Ion: 75 Resp: 73924

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.220 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021890.D

Acq: 15 Apr 2025 12:52

Tgt Ion: 75 Resp: 73924

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.2 54.4#

