

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022648.D
 Acq On : 10 Jun 2025 14:19
 Operator : SY/MD
 Sample : Q2259-03
 Misc : 4.98g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-37-060525

Quant Time: Jun 11 01:51:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

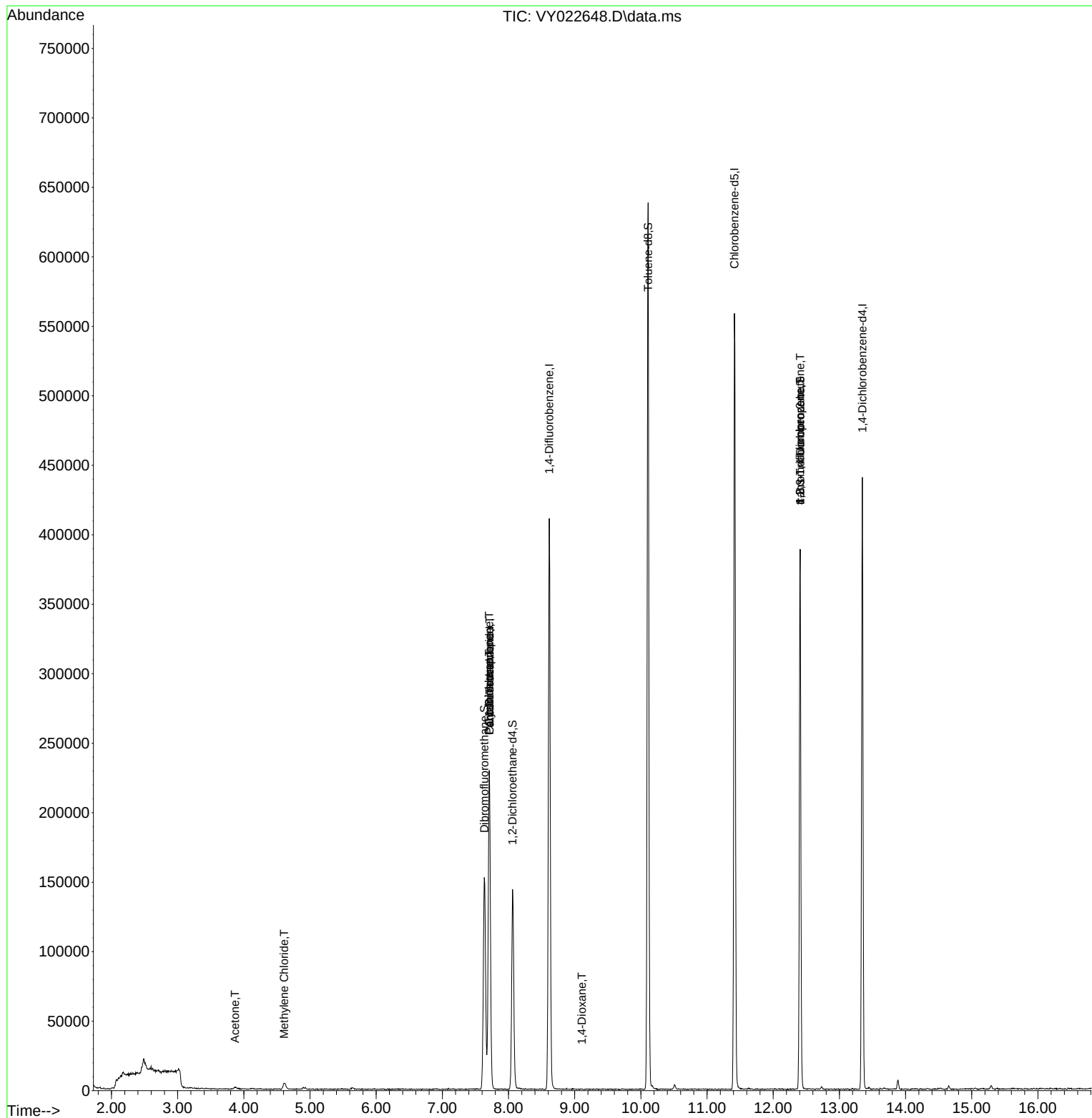
Internal Standards						
1) Pentafluorobenzene	7.713	168	169467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	331619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	277760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	99853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	108220	57.096	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.200%
35) Dibromofluoromethane	7.634	113	103329	52.203	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.400%
50) Toluene-d8	10.109	98	406749	50.857	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.720%
62) 4-Bromofluorobenzene	12.408	95	103440	43.408	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.820%
Target Compounds						Qvalue
16) Acetone	3.866	43	2153	5.593	ug/l	93
20) Methylene Chloride	4.610	84	3015	1.379	ug/l #	84
31) Cyclohexane	7.707	56	5005	1.374	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	15940	4.962	ug/l #	50
38) Carbon Tetrachloride	7.713	117	17431	5.289	ug/l #	17
49) 1,4-Dioxane	9.109	88	19	1.271	ug/l #	24
76) 1,2,3-Trichloropropane	12.408	75	61175	53.552	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	61175	129.324	ug/l #	11

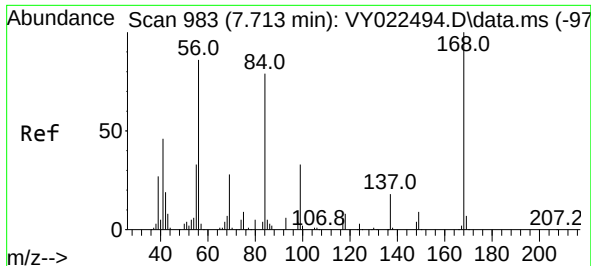
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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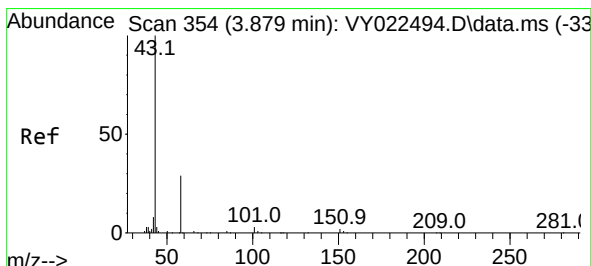
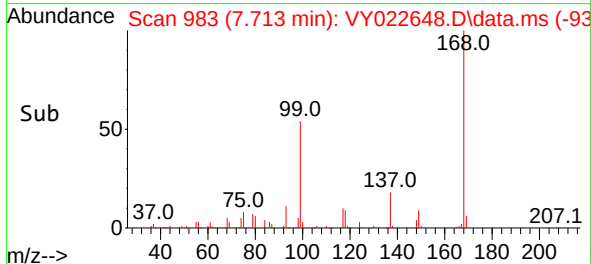
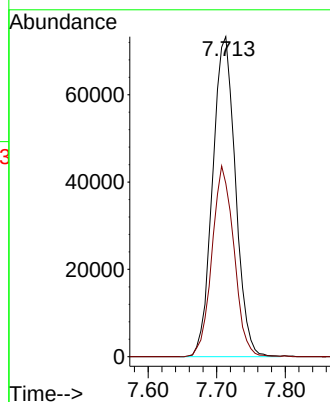
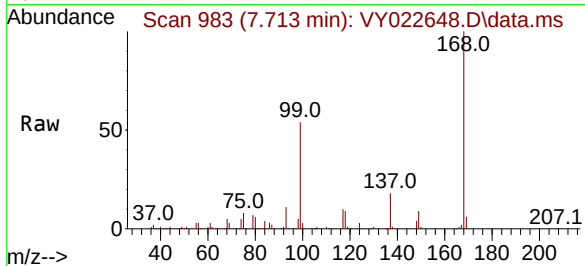




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022648.D
Acq: 10 Jun 2025 14:19

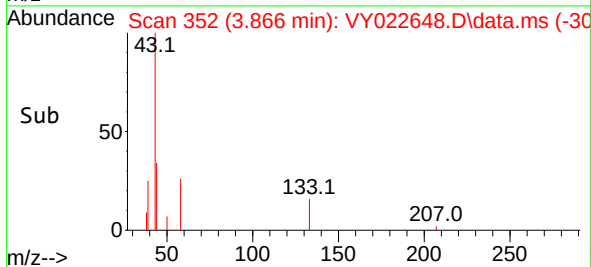
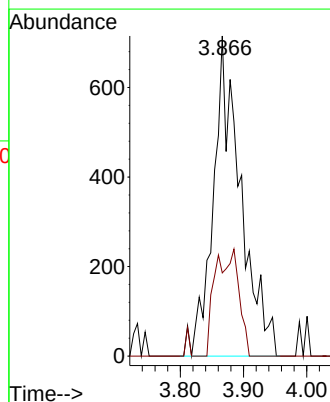
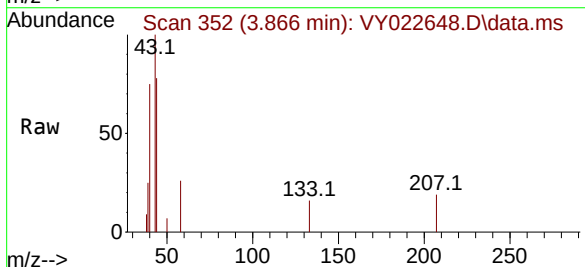
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-37-060525

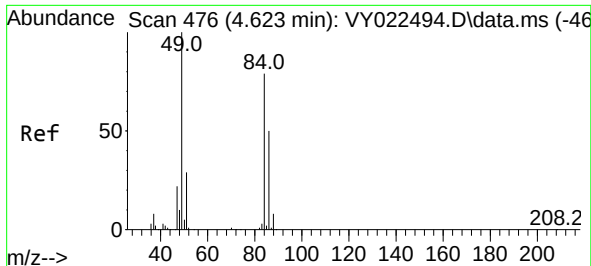
Tgt Ion:168 Resp: 169467
Ion Ratio Lower Upper
168 100
99 54.1 44.3 66.5



#16
Acetone
Concen: 5.593 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022648.D
Acq: 10 Jun 2025 14:19

Tgt Ion: 43 Resp: 2153
Ion Ratio Lower Upper
43 100
58 26.0 24.0 36.0

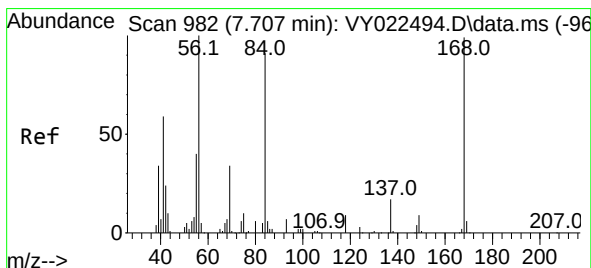
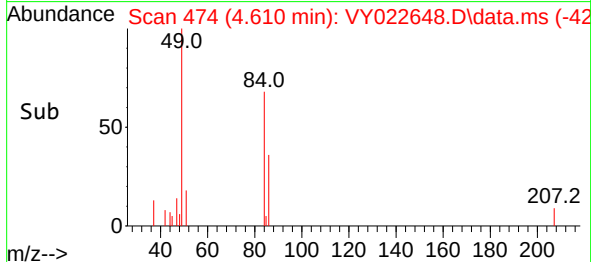
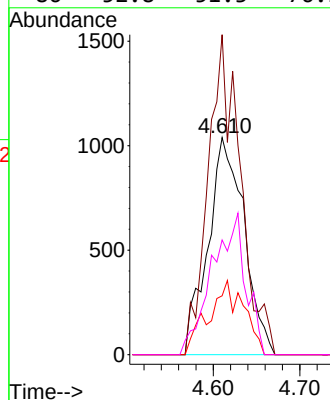
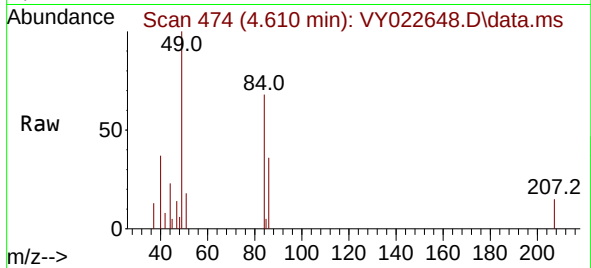




#20
Methylene Chloride
Concen: 1.379 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022648.D
Acq: 10 Jun 2025 14:19

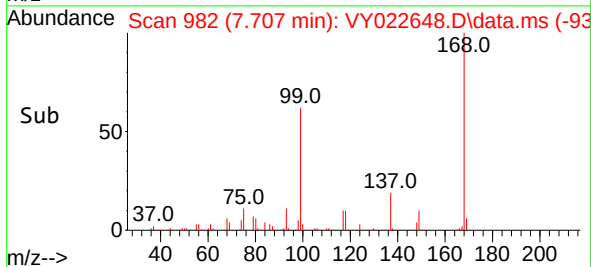
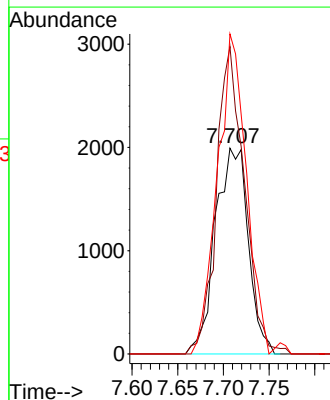
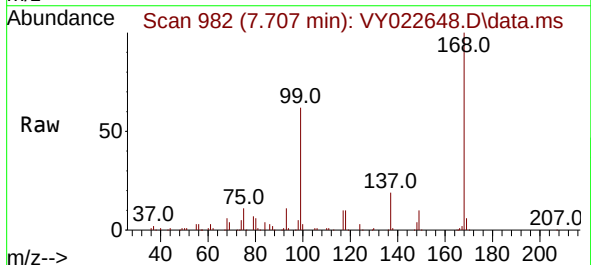
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-37-060525

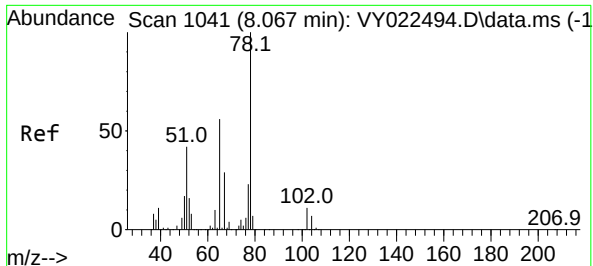
Tgt Ion:	84	Resp:	3015
Ion	Ratio	Lower	Upper
84	100		
49	147.4	101.9	152.9
51	27.1	29.8	44.8#
86	52.8	51.3	76.9



#31
Cyclohexane
Concen: 1.374 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022648.D
Acq: 10 Jun 2025 14:19

Tgt Ion:	56	Resp:	5005
Ion	Ratio	Lower	Upper
56	100		
69	149.5	27.0	40.6#
84	155.6	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 57.096 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VY022648.D

Acq: 10 Jun 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

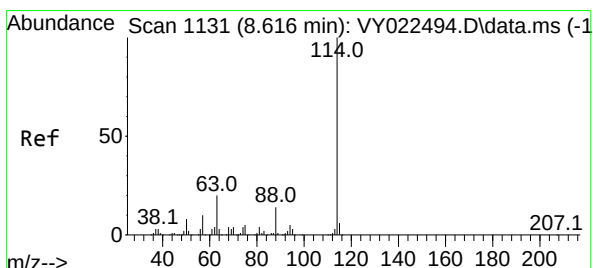
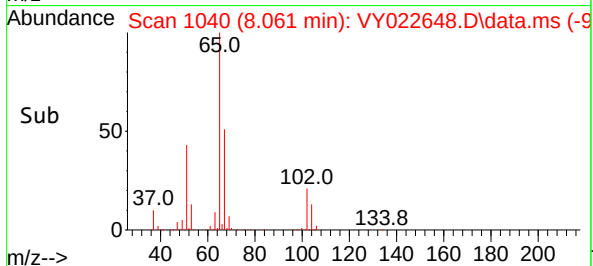
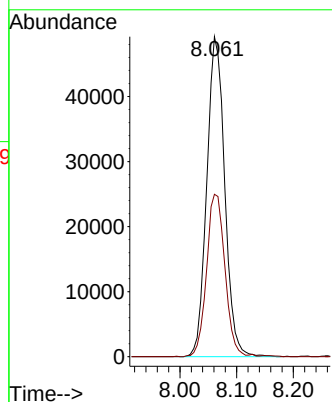
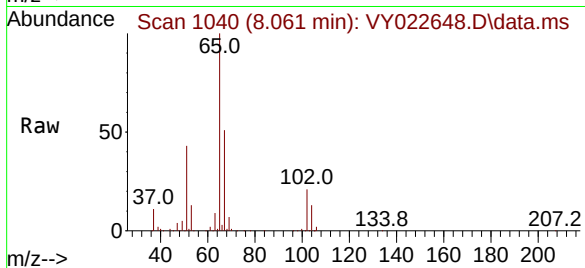
OU4-PCS-TC-37-060525

Tgt Ion: 65 Resp: 108220

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022648.D

Acq: 10 Jun 2025 14:19

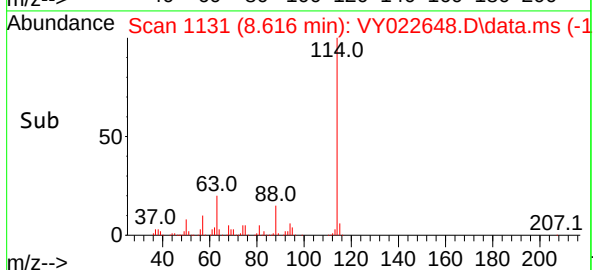
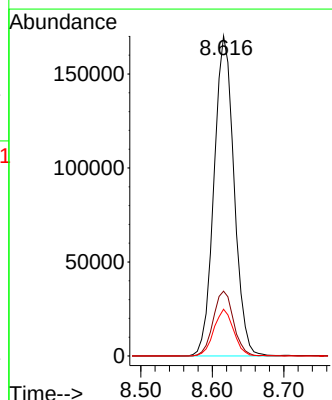
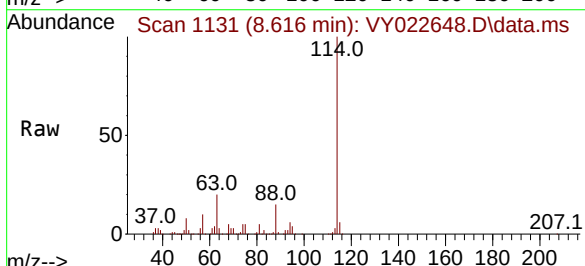
Tgt Ion: 114 Resp: 331619

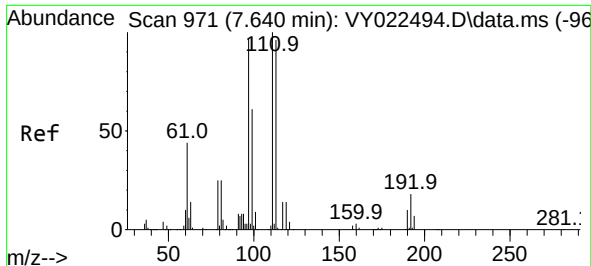
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 14.6 0.0 27.8

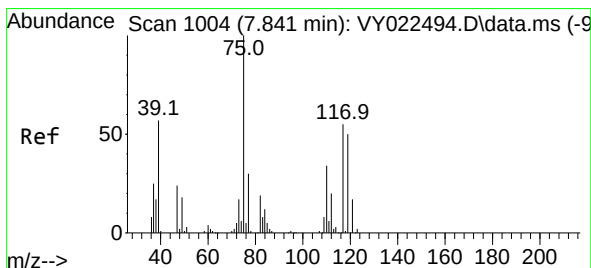
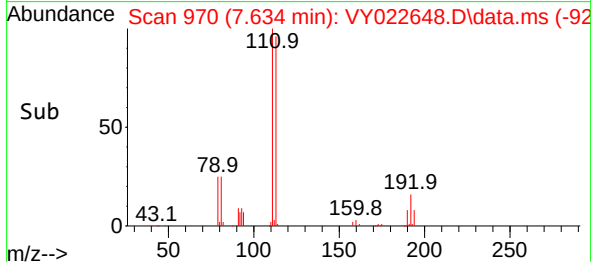
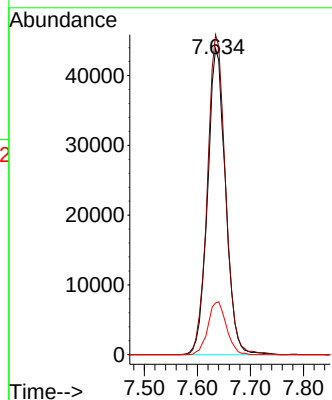
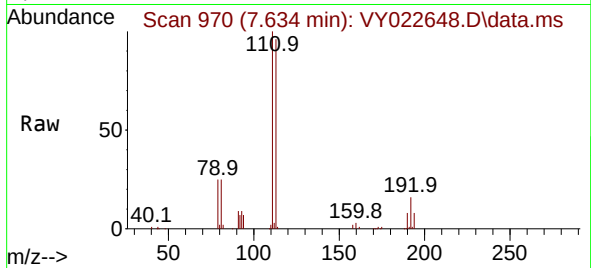




#35
Dibromofluoromethane
Concen: 52.203 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022648.D
Acq: 10 Jun 2025 14:19

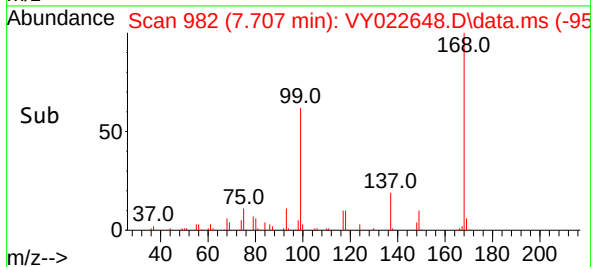
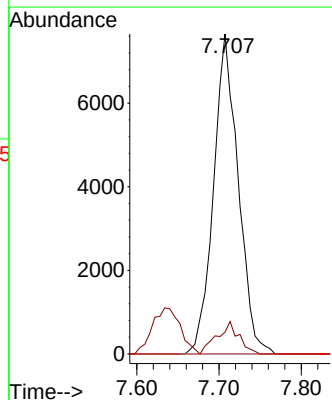
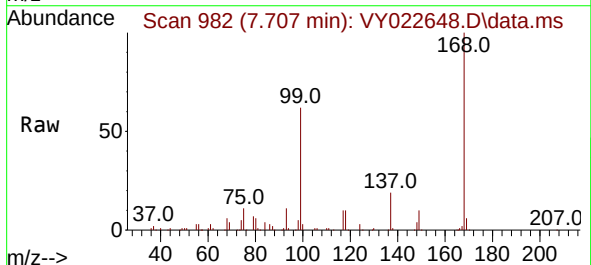
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-37-060525

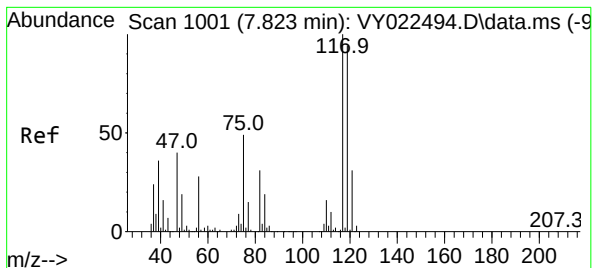
Tgt Ion:113 Resp: 103329
Ion Ratio Lower Upper
113 100
111 105.5 81.1 121.7
192 17.7 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.962 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022648.D
Acq: 10 Jun 2025 14:19

Tgt Ion: 75 Resp: 15940
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.7#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.289 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY022648.D

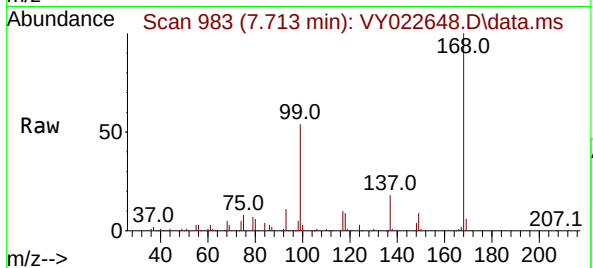
Acq: 10 Jun 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-37-060525



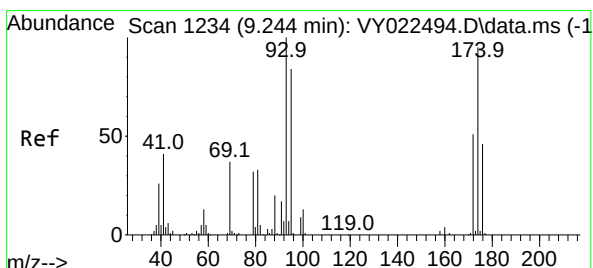
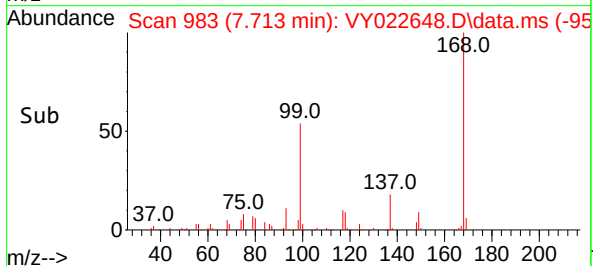
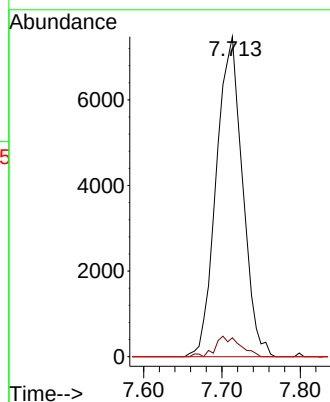
Tgt Ion:117 Resp: 17431

Ion Ratio Lower Upper

117 100

119 5.9 75.0 112.6#

121 0.0 25.0 37.4#



#49

1,4-Dioxane

Concen: 1.271 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.134 min

Lab File: VY022648.D

Acq: 10 Jun 2025 14:19

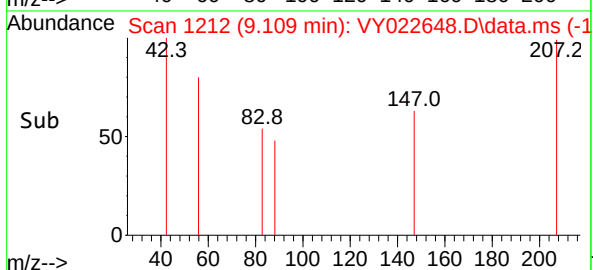
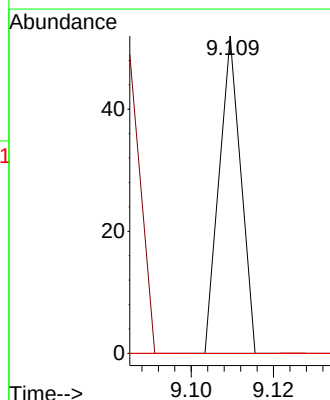
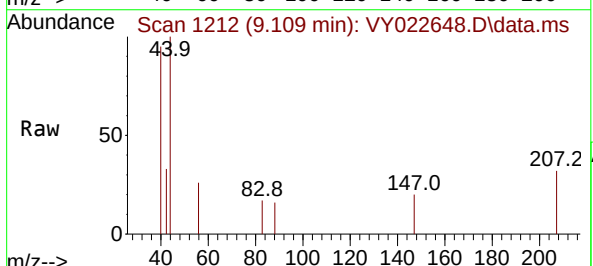
Tgt Ion: 88 Resp: 19

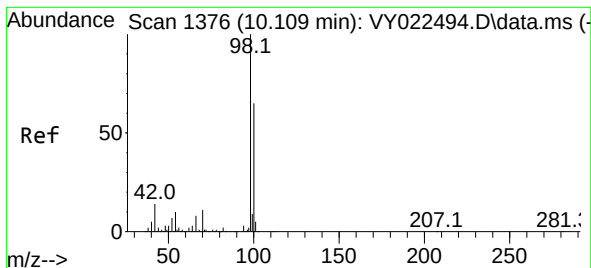
Ion Ratio Lower Upper

88 100

43 0.0 25.4 38.2#

58 0.0 54.9 82.3#

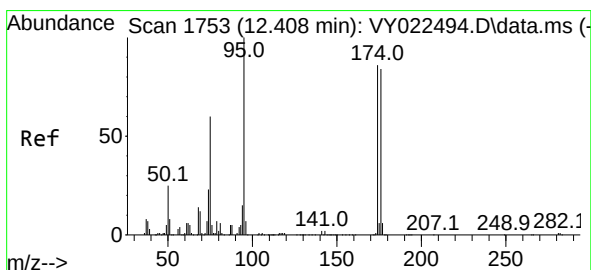
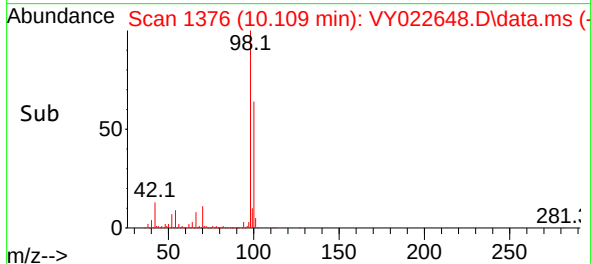
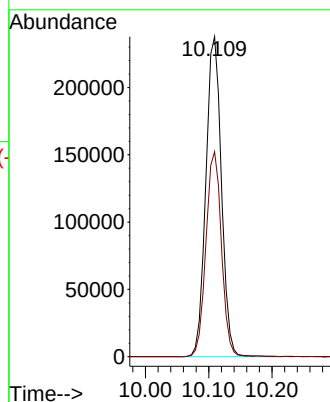
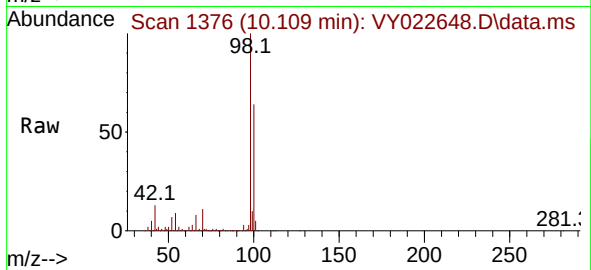




#50
Toluene-d8
Concen: 50.857 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022648.D
Acq: 10 Jun 2025 14:19

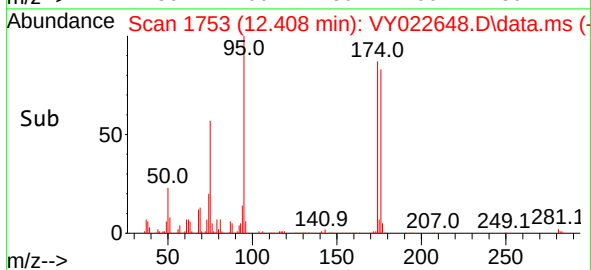
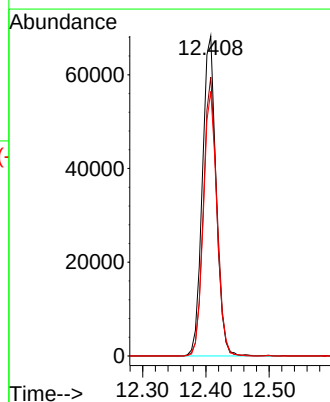
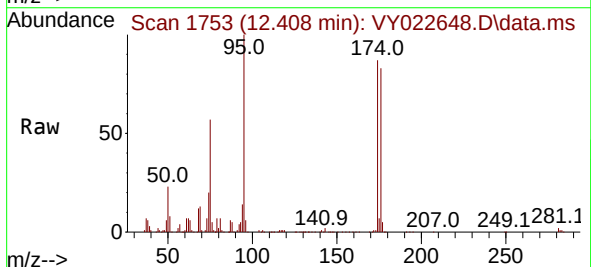
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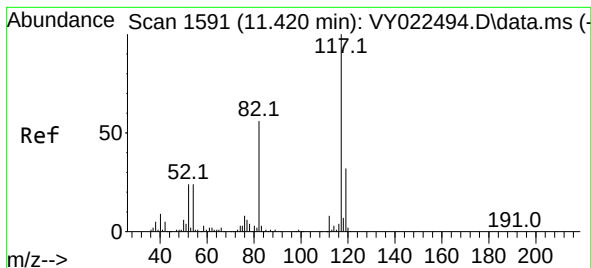
Tgt Ion: 98 Resp: 406749
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.408 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022648.D
Acq: 10 Jun 2025 14:19

Tgt Ion: 95 Resp: 103440
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.0
176 81.3 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022648.D

Acq: 10 Jun 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-37-060525

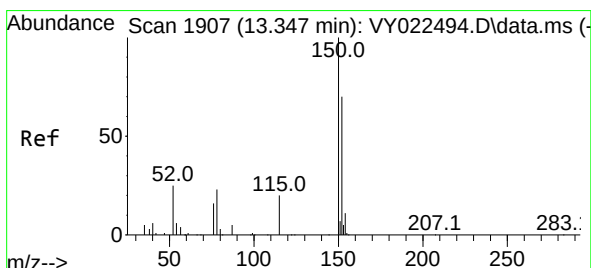
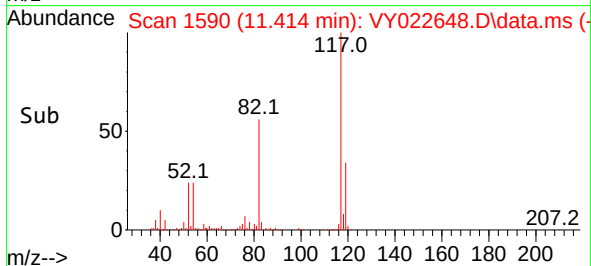
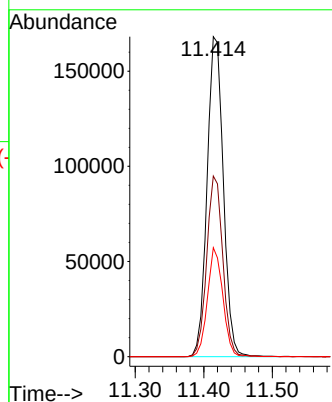
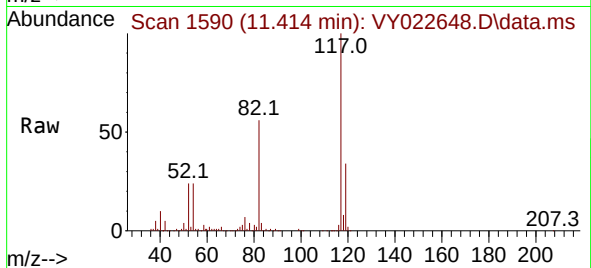
Tgt Ion:117 Resp: 277760

Ion Ratio Lower Upper

117 100

82 56.4 44.6 66.8

119 34.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022648.D

Acq: 10 Jun 2025 14:19

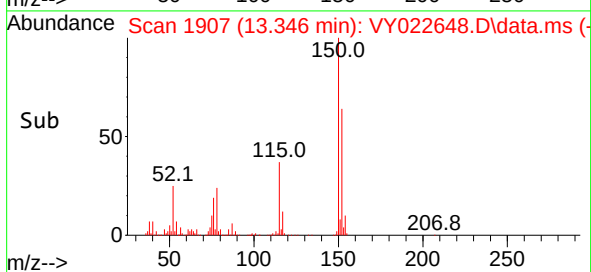
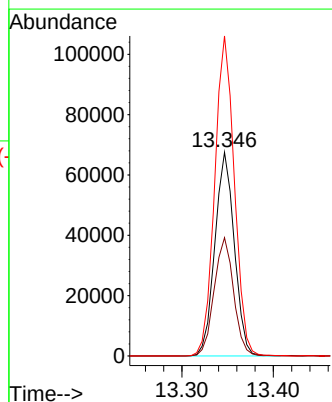
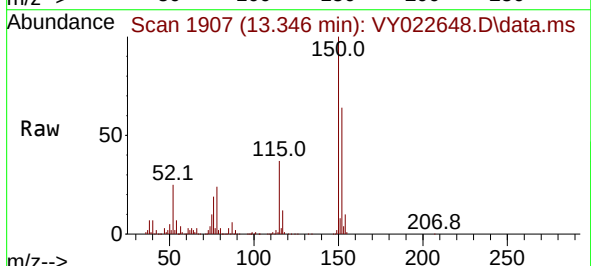
Tgt Ion:152 Resp: 99853

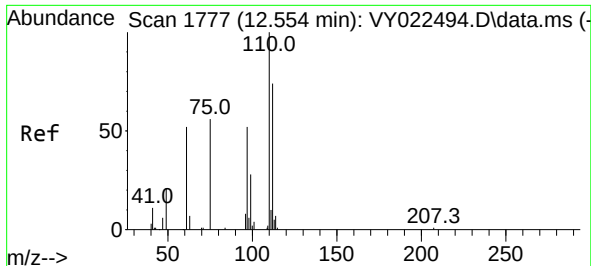
Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 158.7 0.0 349.6

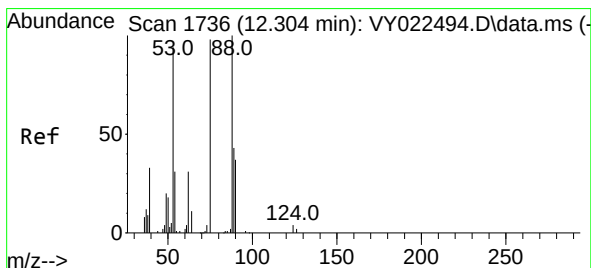
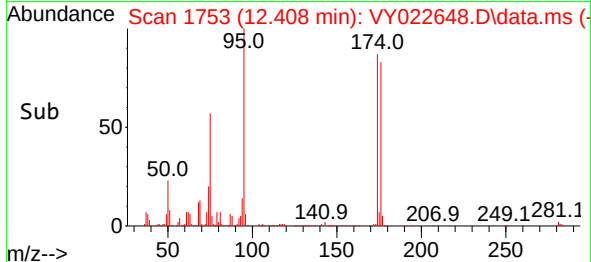
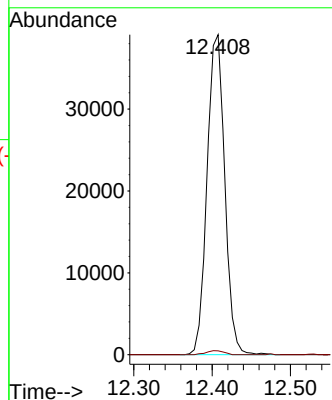
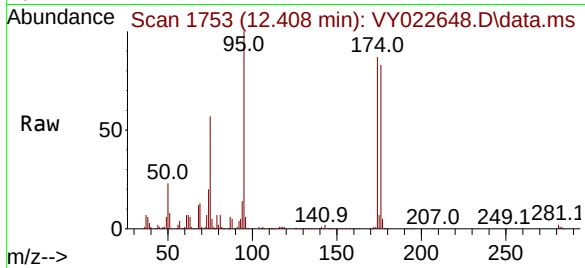




#76
1,2,3-Trichloropropane
Concen: 53.552 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022648.D
Acq: 10 Jun 2025 14:19

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-37-060525

Tgt Ion: 75 Resp: 61175
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.324 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022648.D
Acq: 10 Jun 2025 14:19

Tgt Ion: 75 Resp: 61175
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.3 35.7 53.5#

