

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022283.D
 Acq On : 16 May 2025 12:04
 Operator : SY/MD
 Sample : Q1984-11
 Misc : 3.73g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-26-050725

Quant Time: May 17 01:31:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	289636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	518563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	423867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	157695	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170891	53.986	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.980%
35) Dibromofluoromethane	7.634	113	159838	51.642	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.280%
50) Toluene-d8	10.103	98	629825	49.686	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.380%
62) 4-Bromofluorobenzene	12.401	95	166375	41.408	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.820%

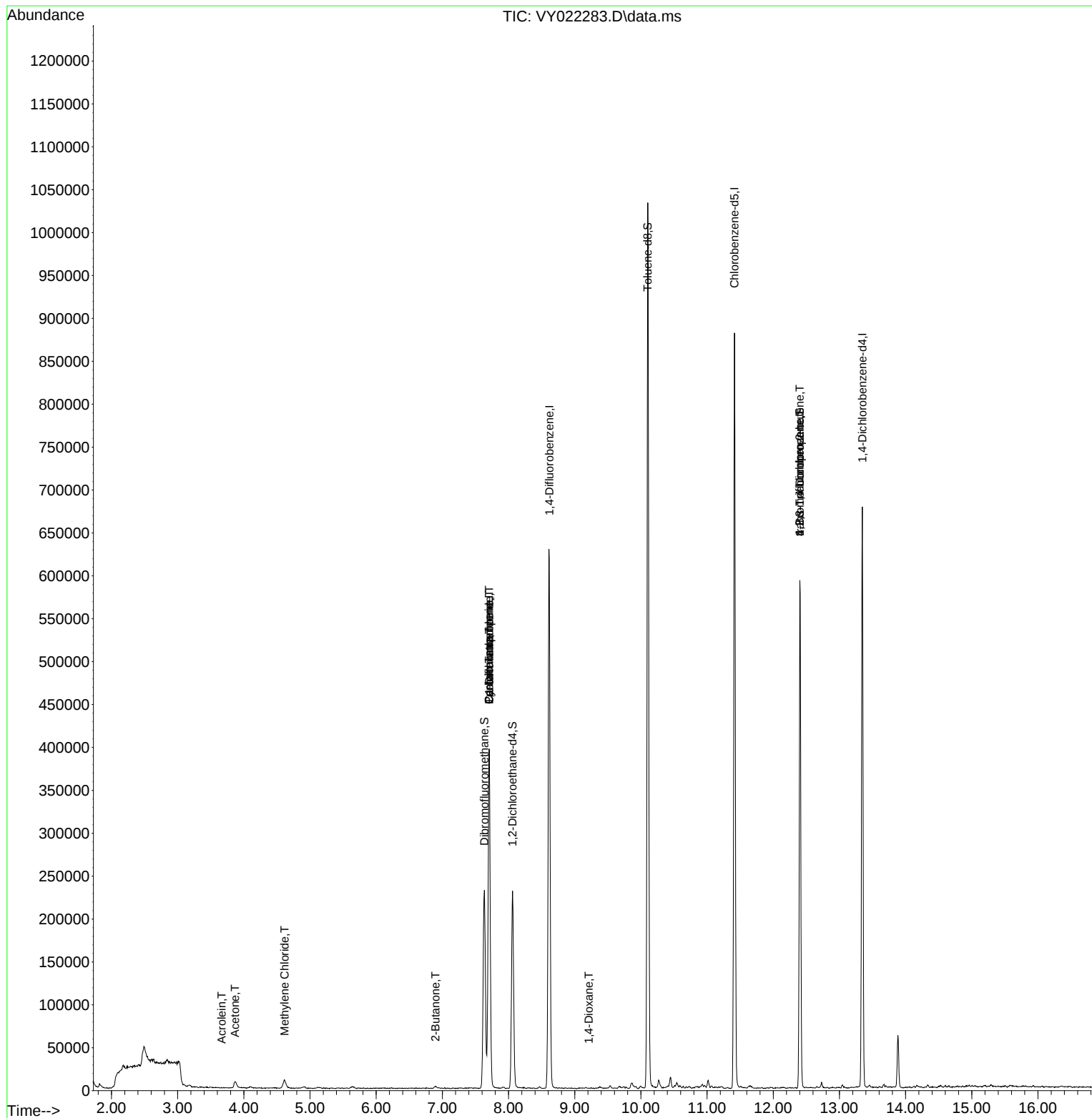
Target Compounds					Qvalue	
13) Acrolein	3.665	56	508	1.438	ug/l #	15
16) Acetone	3.866	43	14552	24.517	ug/l	96
20) Methylene Chloride	4.616	84	6431	1.677	ug/l	86
25) 2-Butanone	6.896	43	2695	2.714	ug/l	100
31) Cyclohexane	7.707	56	8309	1.298	ug/l #	35
36) 1,1-Dichloropropene	7.707	75	25043	4.912	ug/l #	52
38) Carbon Tetrachloride	7.707	117	29366	5.565	ug/l #	16
49) 1,4-Dioxane	9.213	88	23	1.036	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	97763	61.193	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	97763	123.962	ug/l #	12

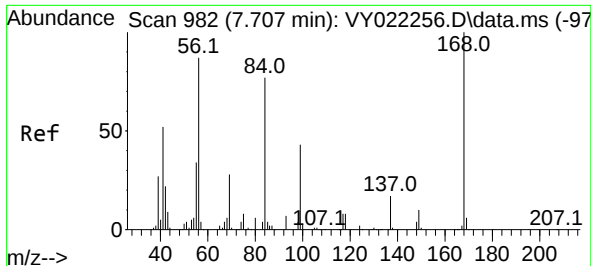
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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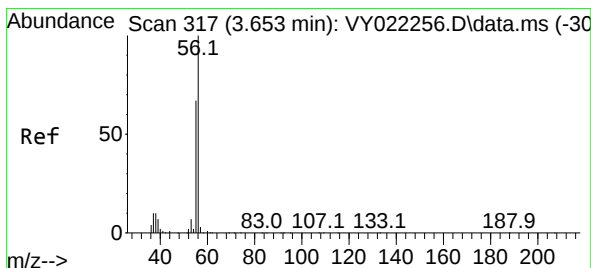
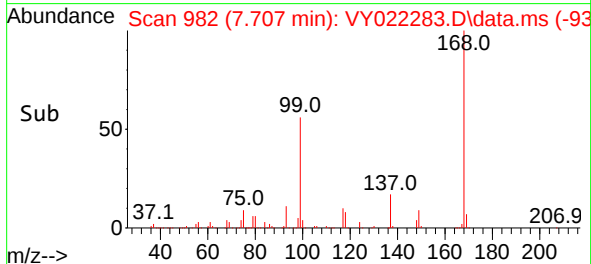
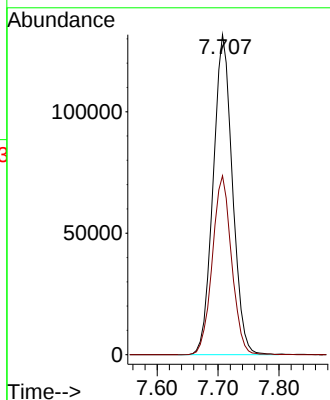
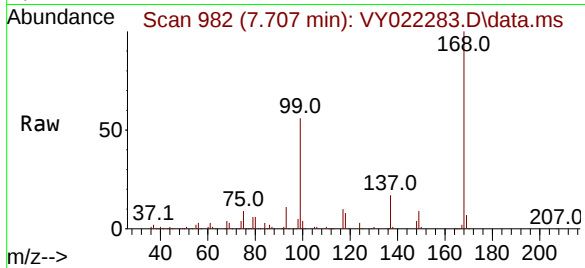




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

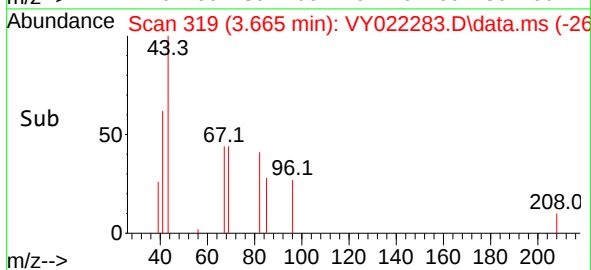
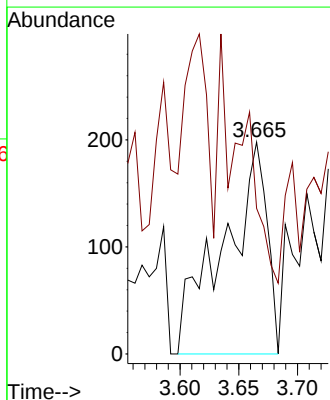
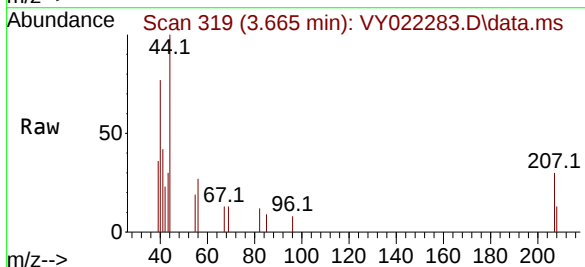
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

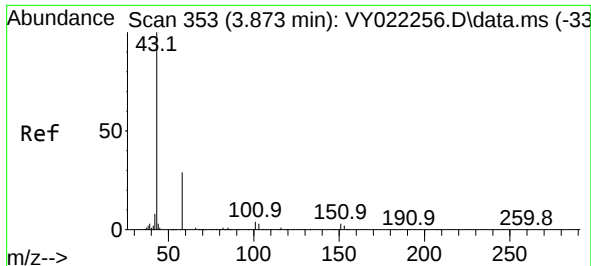
Tgt Ion:168 Resp: 289636
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#13
Acrolein
Concen: 1.438 ug/l
RT: 3.665 min Scan# 319
Delta R.T. 0.012 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Tgt Ion: 56 Resp: 508
Ion Ratio Lower Upper
56 100
55 0.0 55.6 83.4#

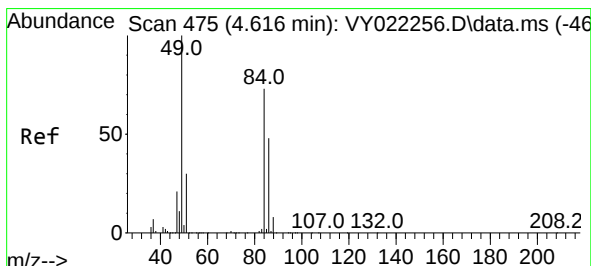
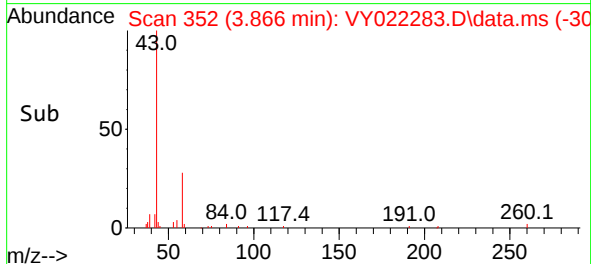
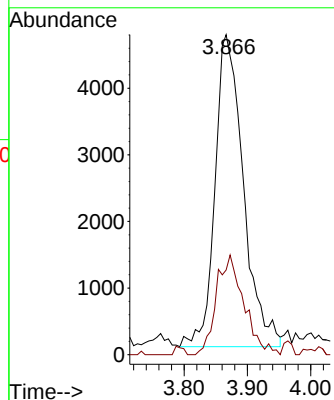
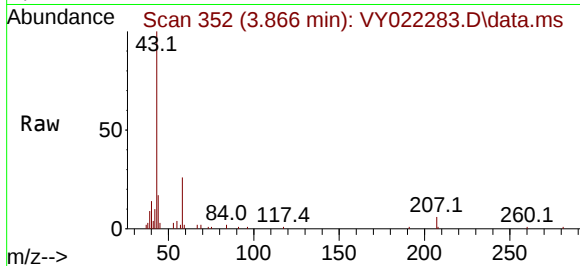




#16
Acetone
Concen: 24.517 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

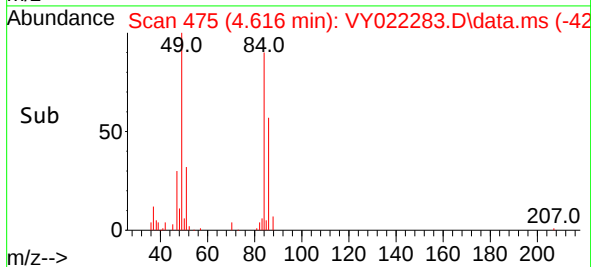
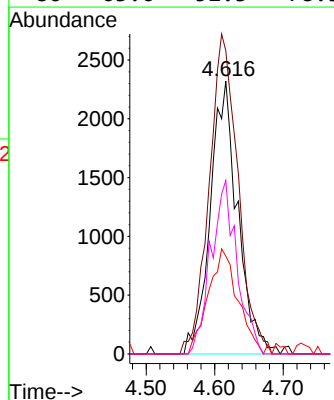
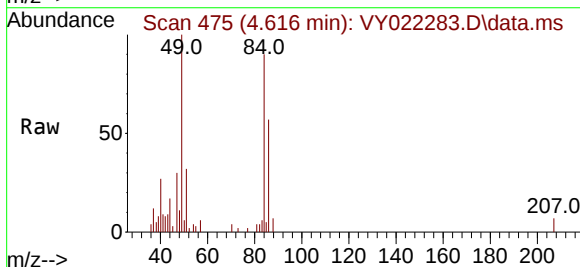
Instrument :
MSVOA_Y
ClientSampleId :
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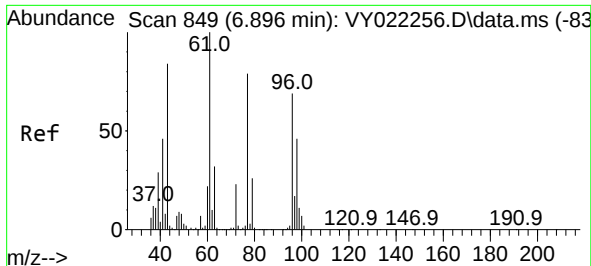
Tgt Ion: 43 Resp: 14552
Ion Ratio Lower Upper
43 100
58 27.1 23.6 35.4



#20
Methylene Chloride
Concen: 1.677 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Tgt Ion: 84 Resp: 6431
Ion Ratio Lower Upper
84 100
49 111.1 109.6 164.4
51 35.8 32.4 48.6
86 63.6 52.3 78.5

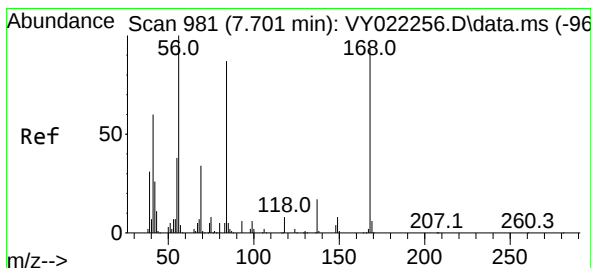
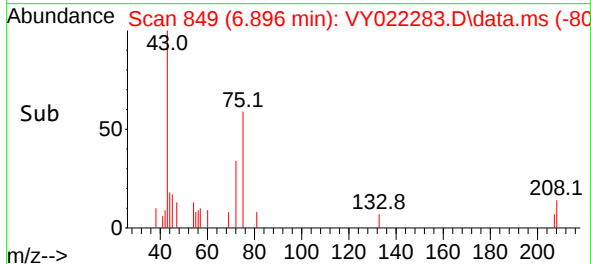
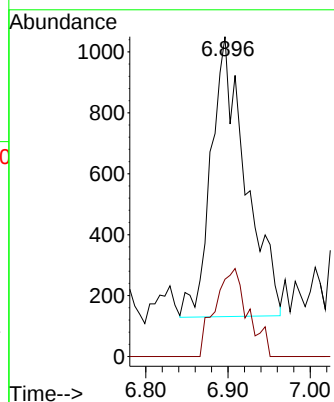
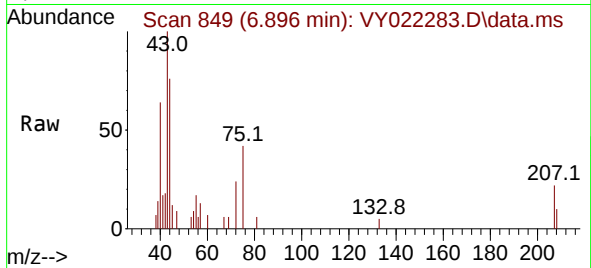




#25
2-Butanone
Concen: 2.714 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

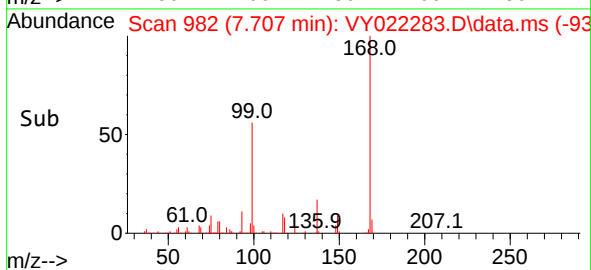
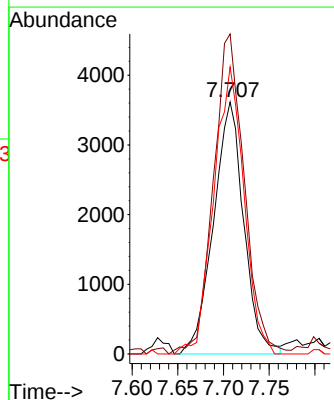
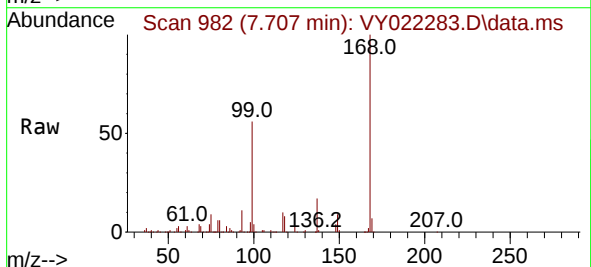
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

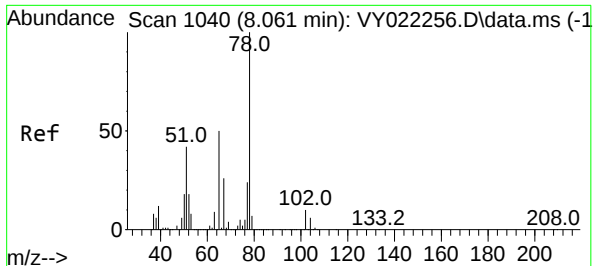
Tgt Ion: 43 Resp: 2695
Ion Ratio Lower Upper
43 100
72 27.7 22.1 33.1



#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Tgt Ion: 56 Resp: 8309
Ion Ratio Lower Upper
56 100
69 124.7 27.4 41.2#
84 113.9 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 53.986 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY022283.D

Acq: 16 May 2025 12:04

Instrument :

MSVOA_Y

ClientSampleId :

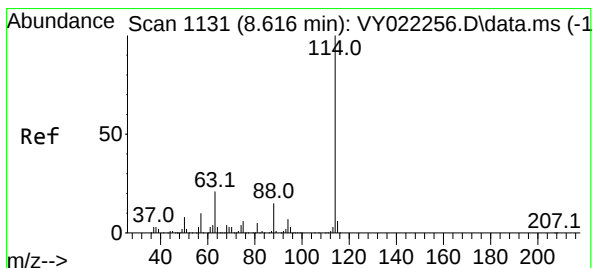
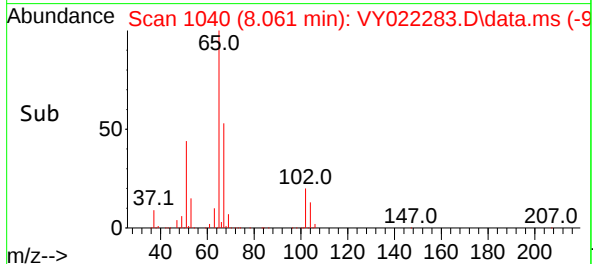
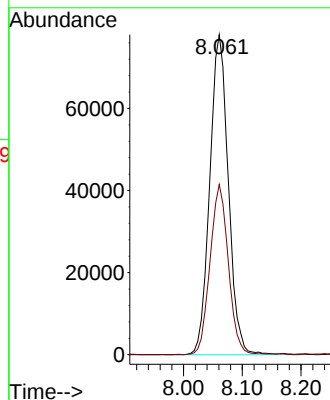
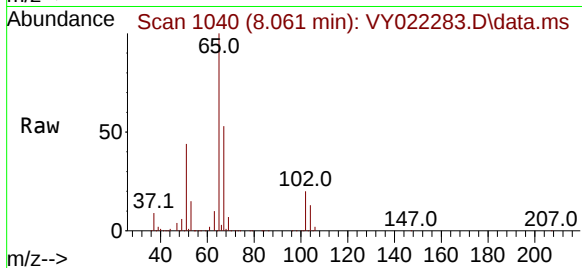
OU4-TS-26-050725

Tgt Ion: 65 Resp: 170891

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022283.D

Acq: 16 May 2025 12:04

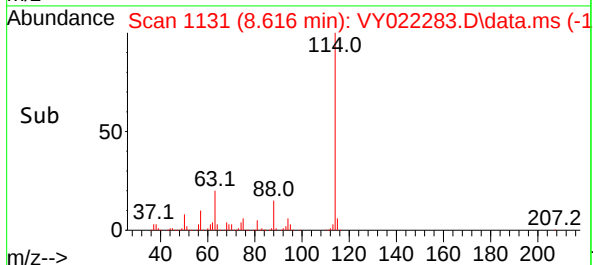
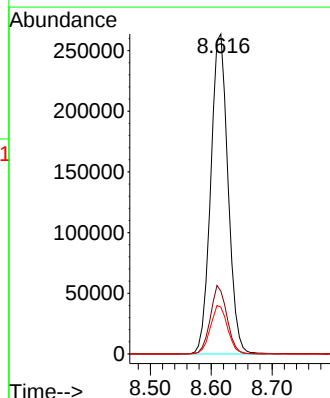
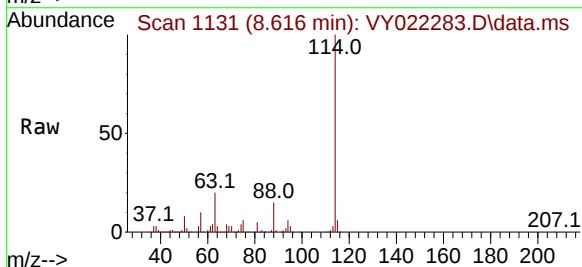
Tgt Ion: 114 Resp: 518563

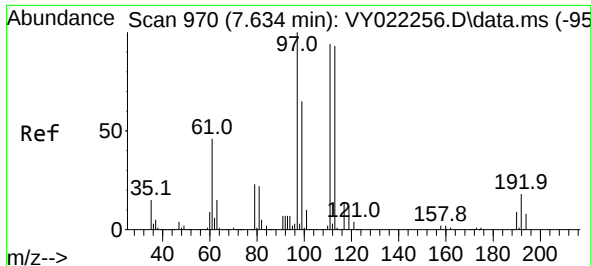
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.0

88 14.7 0.0 29.4

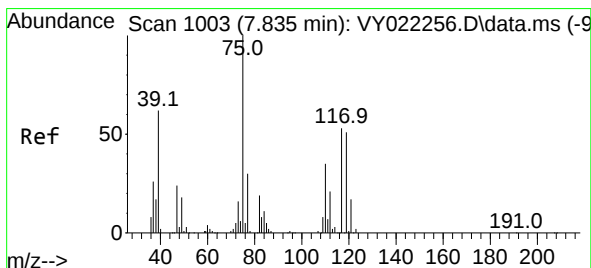
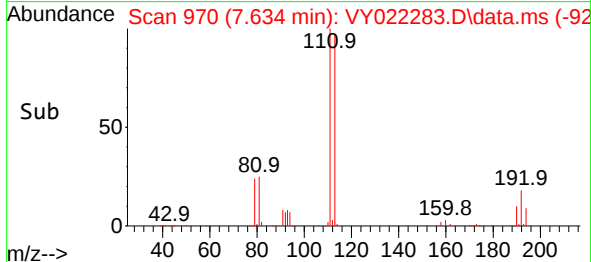
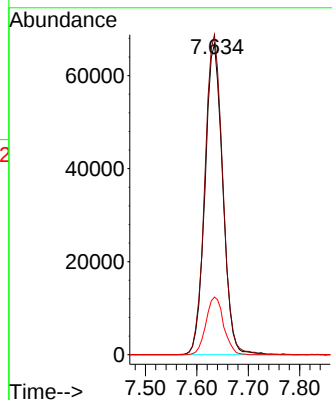
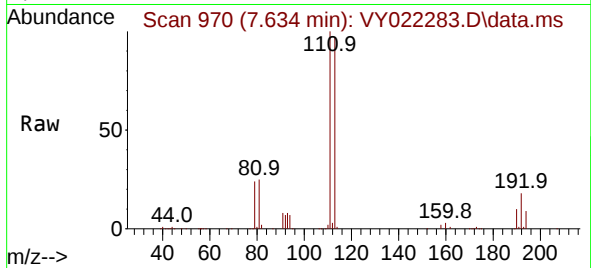




#35
Dibromofluoromethane
Concen: 51.642 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

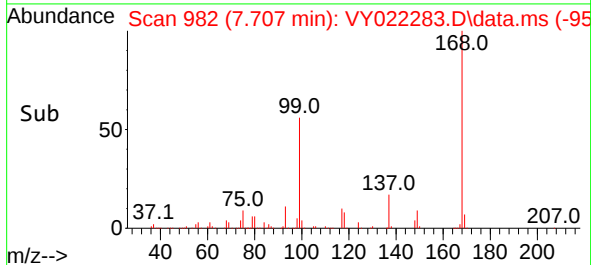
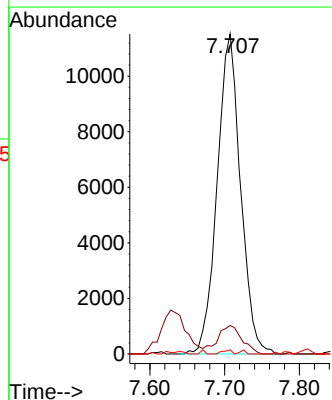
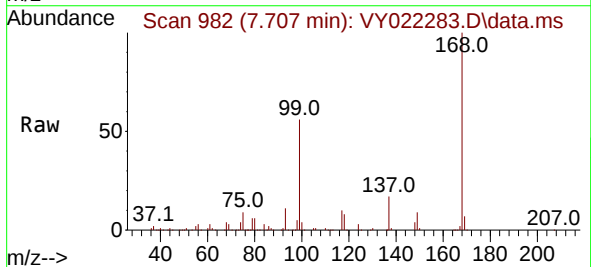
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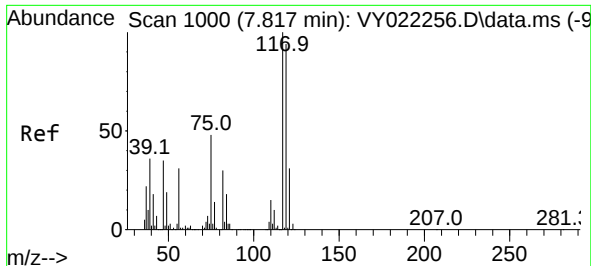
Tgt Ion:113 Resp: 159838
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 18.5 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.912 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Tgt Ion: 75 Resp: 25043
Ion Ratio Lower Upper
75 100
110 9.3 16.6 49.8#
77 0.5 24.6 37.0#

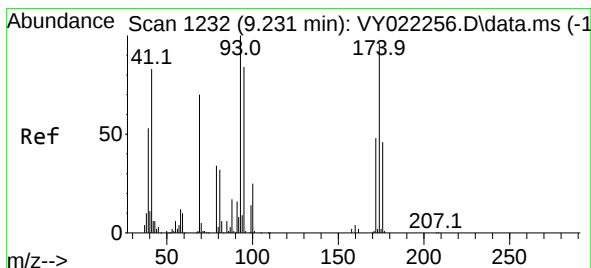
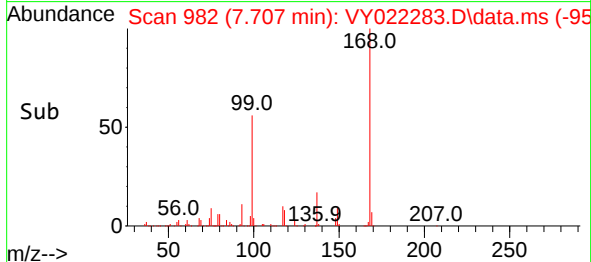
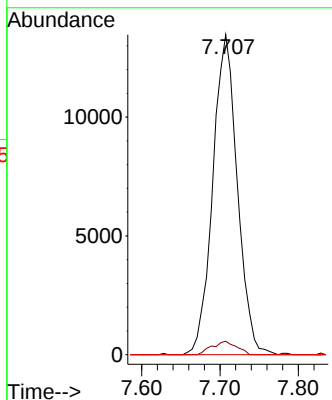
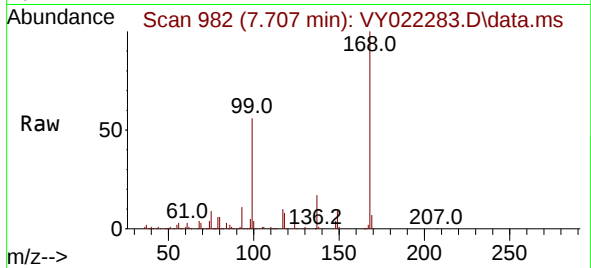




#38
Carbon Tetrachloride
Concen: 5.565 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

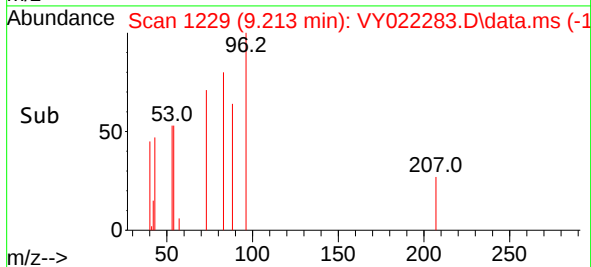
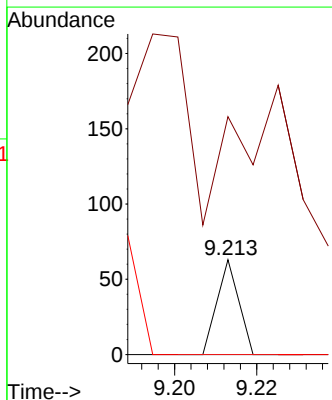
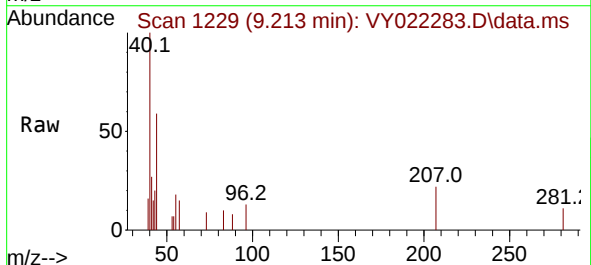
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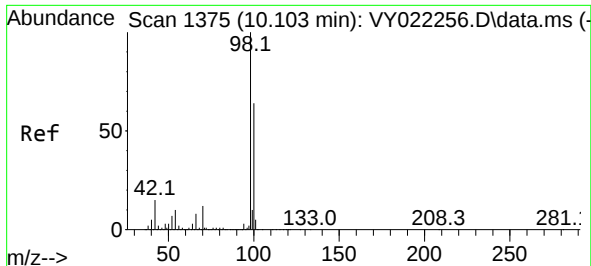
Tgt Ion:117 Resp: 29366
Ion Ratio Lower Upper
117 100
119 4.2 75.3 112.9#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 1.036 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. -0.018 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 217.4 28.5 42.7#
58 0.0 61.4 92.2#

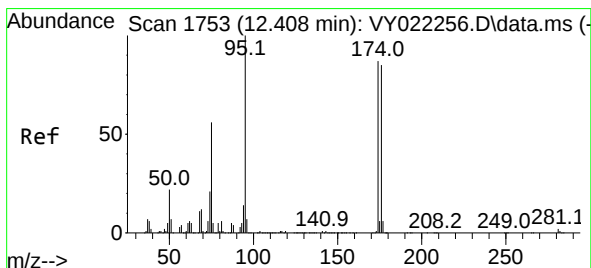
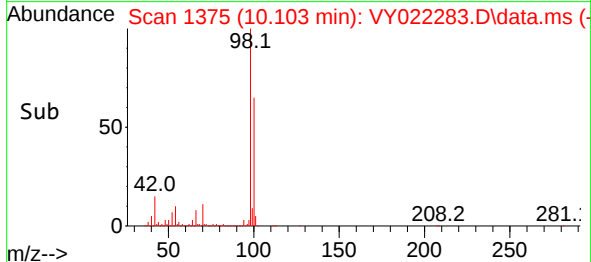
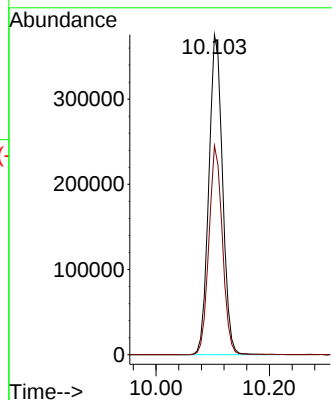
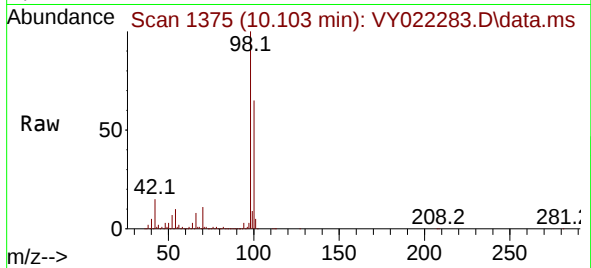




#50
Toluene-d8
Concen: 49.686 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

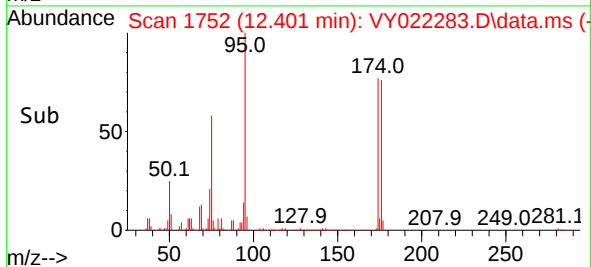
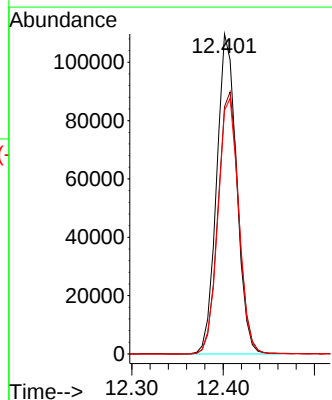
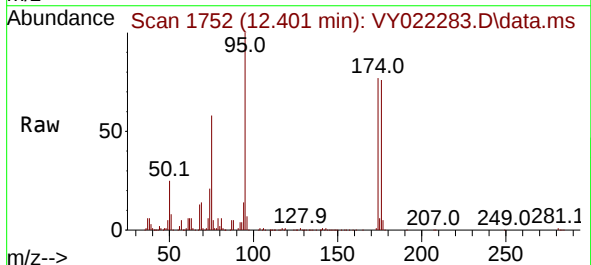
Instrument :
MSVOA_Y
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OU4-TS-26-050725

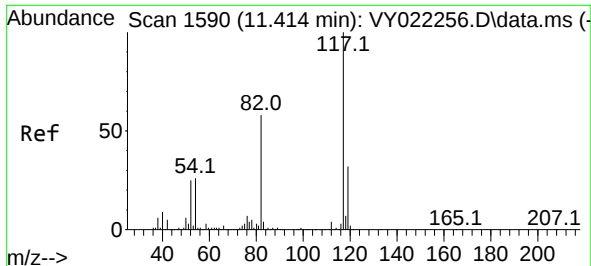
Tgt Ion: 98 Resp: 629825
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 41.408 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Tgt Ion: 95 Resp: 166375
Ion Ratio Lower Upper
95 100
174 85.0 0.0 166.8
176 83.0 0.0 160.8

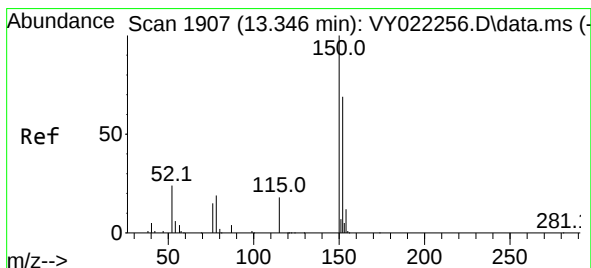
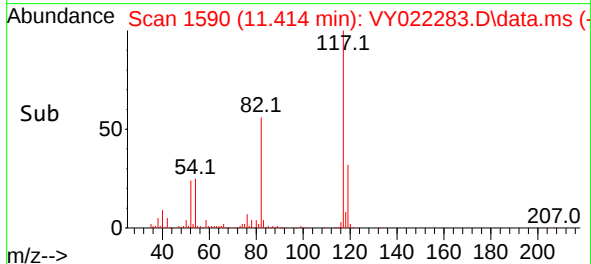
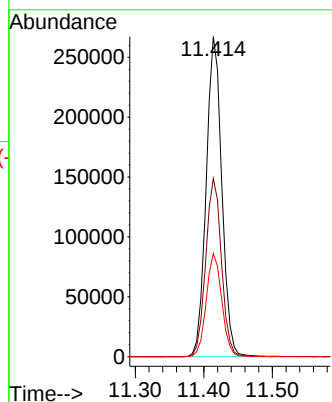
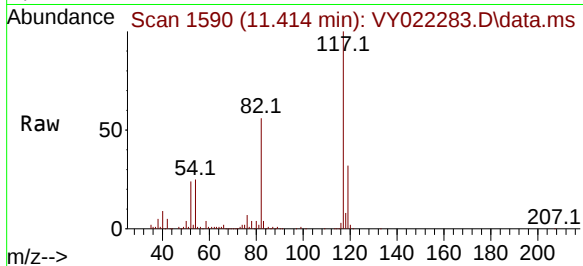




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

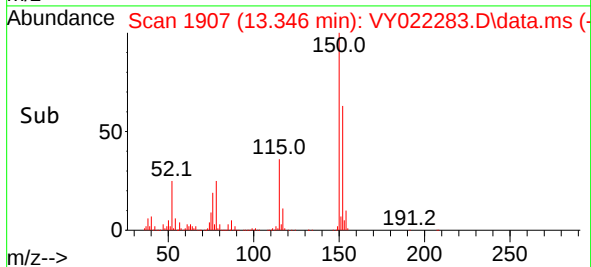
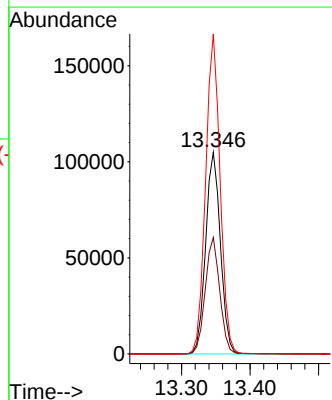
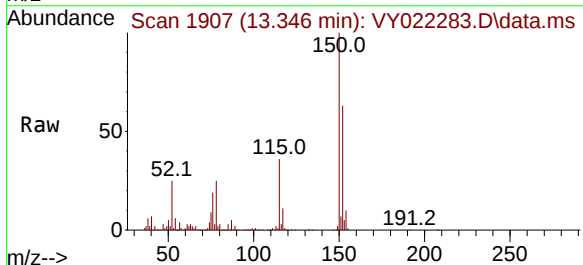
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

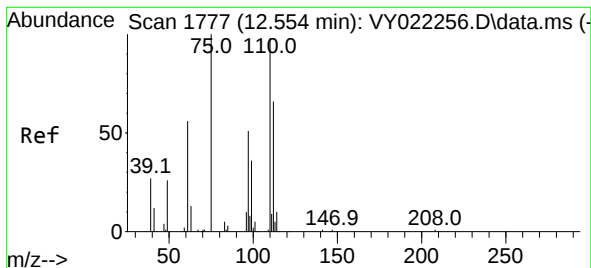
Tgt Ion:117 Resp: 423867
Ion Ratio Lower Upper
117 100
82 55.7 46.6 70.0
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Tgt Ion:152 Resp: 157695
Ion Ratio Lower Upper
152 100
115 56.9 29.4 88.2
150 155.5 0.0 353.8

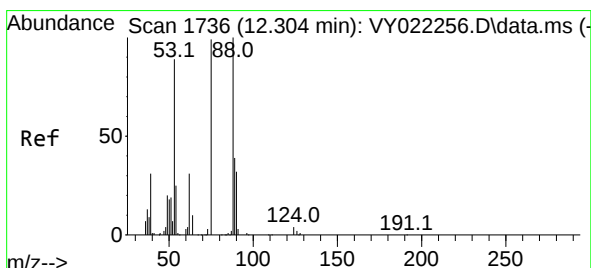
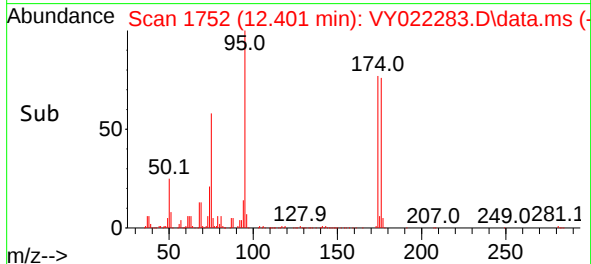
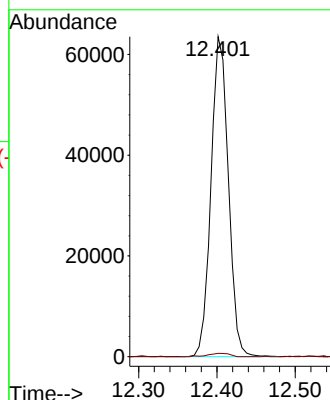
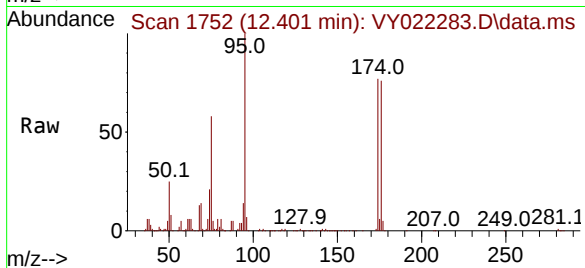




#76
1,2,3-Trichloropropane
Concen: 61.193 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

Tgt Ion: 75 Resp: 97763
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.962 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Tgt Ion: 75 Resp: 97763
Ion Ratio Lower Upper
75 100
53 0.1 75.8 113.8#
89 0.0 36.2 54.2#

