

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023011.D
 Acq On : 18 Jul 2025 20:26
 Operator : SY/MD
 Sample : Q2639-07
 Misc : 4.49g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-41-071725

Quant Time: Jul 19 02:16:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

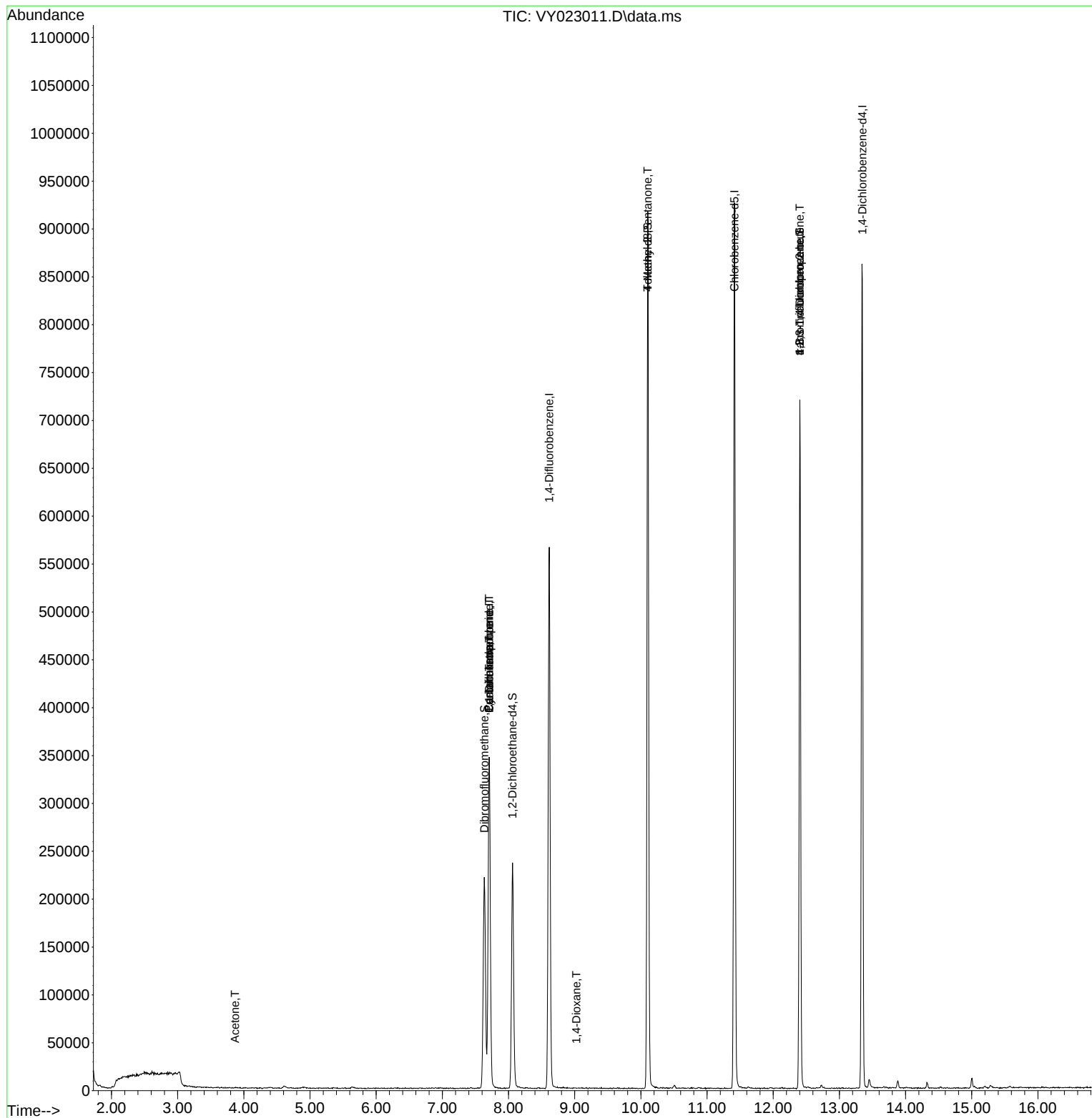
Internal Standards						
1) Pentafluorobenzene	7.707	168	263133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	471769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	212236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	183651	68.944	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	137.880%
35) Dibromofluoromethane	7.634	113	156559	51.525	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.060%
50) Toluene-d8	10.103	98	586486	48.673	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.340%
62) 4-Bromofluorobenzene	12.401	95	206534	54.451	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.900%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	673	1.394	ug/l	96
20) Methylene Chloride	4.616	84	1494	Below Cal	#	54
31) Cyclohexane	7.707	56	6424	1.211	ug/l #	4
36) 1,1-Dichloropropene	7.707	75	22964	4.798	ug/l #	50
38) Carbon Tetrachloride	7.707	117	27432	5.276	ug/l #	18
49) 1,4-Dioxane	9.024	88	31	1.691	ug/l #	1
51) 4-Methyl-2-Pentanone	10.103	43	2800	1.562	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	116708	44.130	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	116708	131.440	ug/l #	12

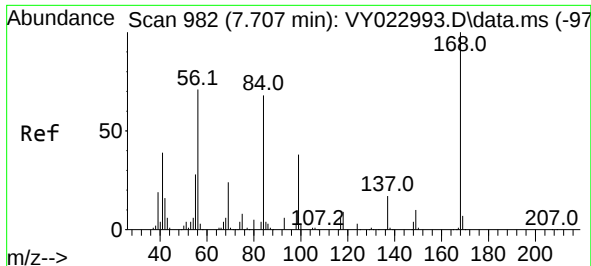
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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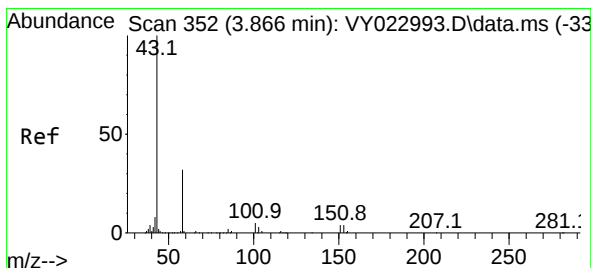
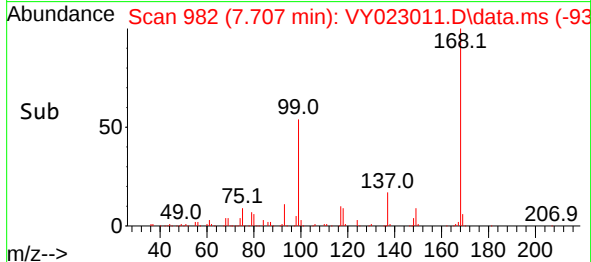
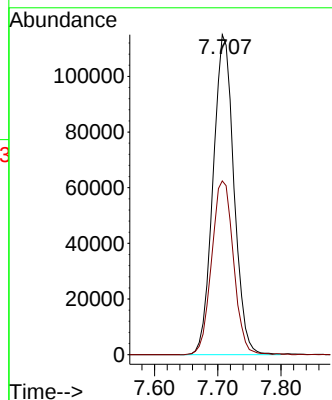
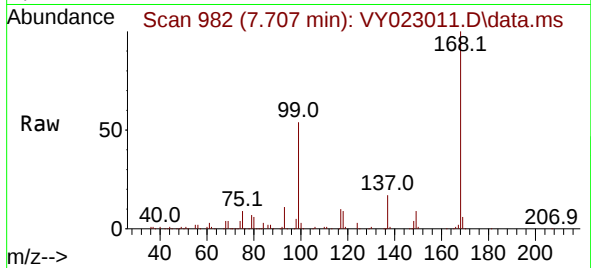




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023011.D
Acq: 18 Jul 2025 20:26

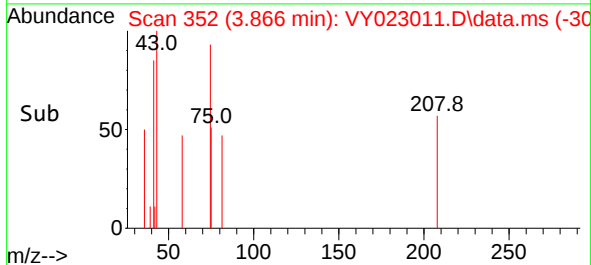
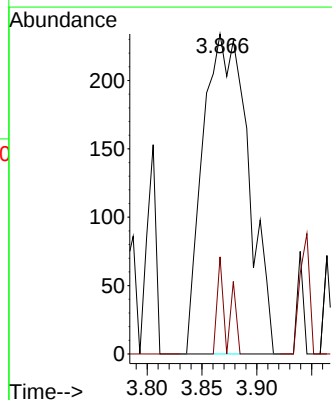
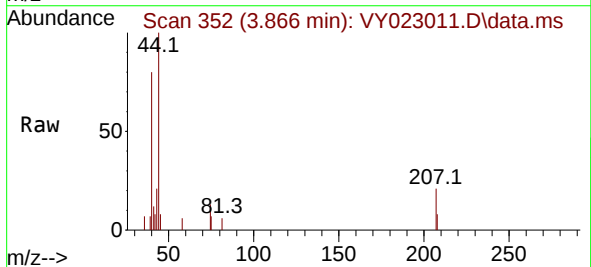
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-41-071725

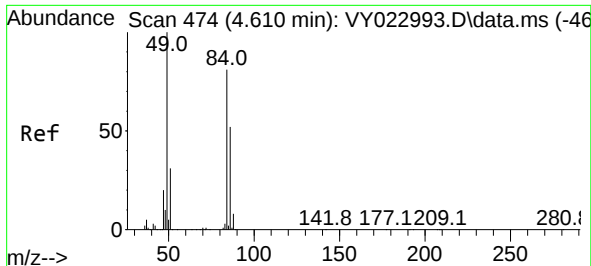
Tgt Ion:168 Resp: 263133
Ion Ratio Lower Upper
168 100
99 54.3 44.4 66.6



#16
Acetone
Concen: 1.394 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023011.D
Acq: 18 Jul 2025 20:26

Tgt Ion: 43 Resp: 673
Ion Ratio Lower Upper
43 100
58 30.3 26.2 39.4

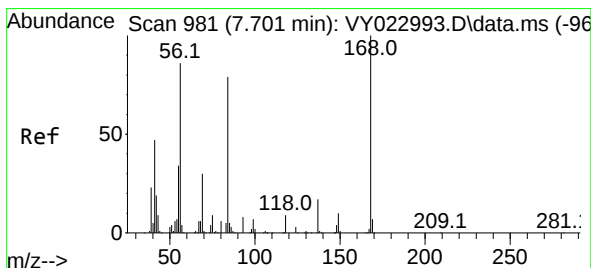
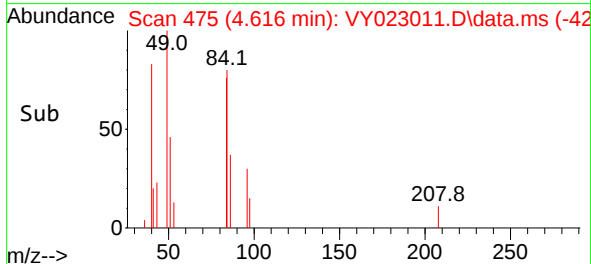
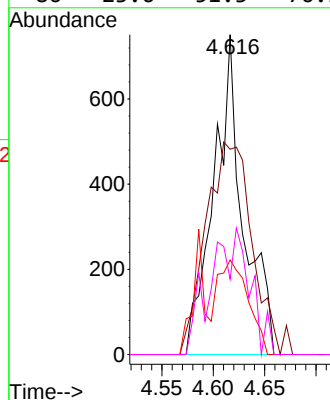
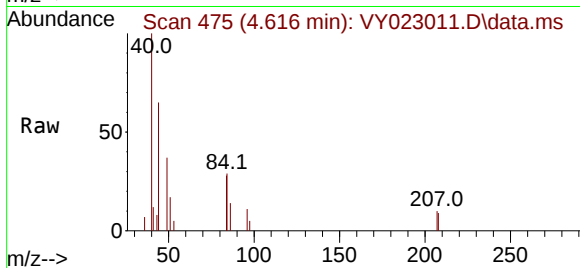




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023011.D
Acq: 18 Jul 2025 20:26

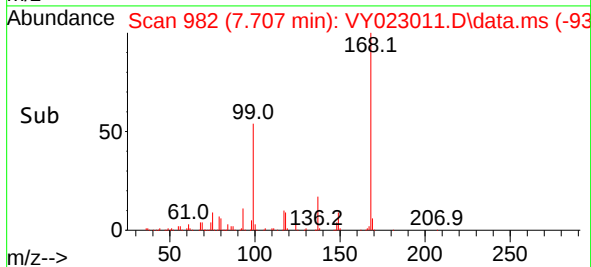
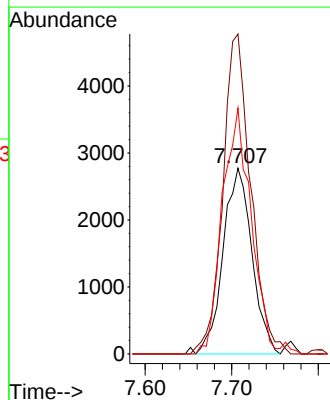
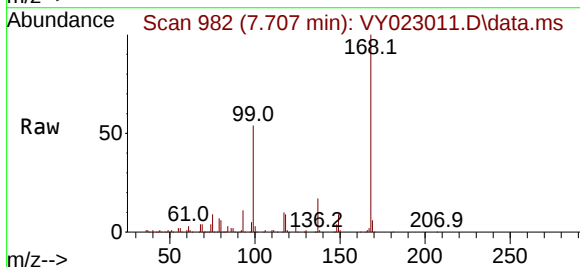
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-41-071725

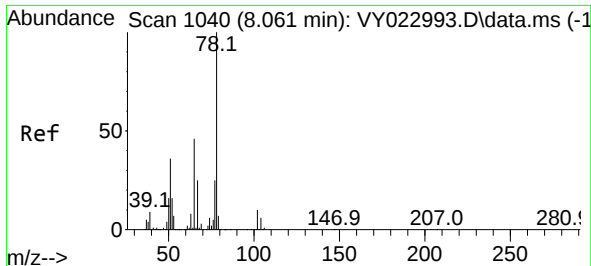
Tgt Ion:	84	Resp:	1494
Ion	Ratio	Lower	Upper
84	100		
49	64.2	98.2	147.4#
51	29.6	30.5	45.7#
86	23.6	51.3	76.9#



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023011.D
Acq: 18 Jul 2025 20:26

Tgt Ion:	56	Resp:	6424
Ion	Ratio	Lower	Upper
56	100		
69	172.3	28.1	42.1#
84	132.3	73.5	110.3#





#33

1,2-Dichloroethane-d4

Concen: 68.944 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY023011.D

Acq: 18 Jul 2025 20:26

Instrument :

MSVOA_Y

ClientSampleId :

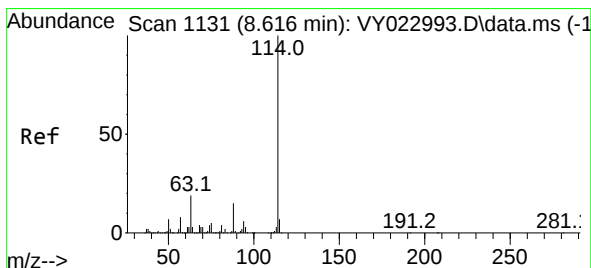
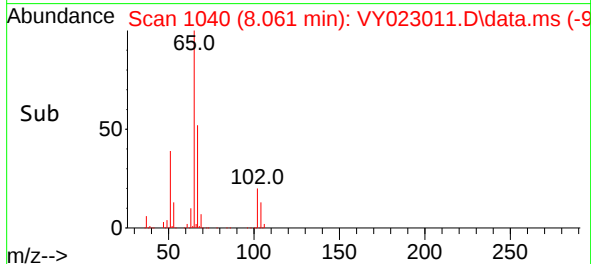
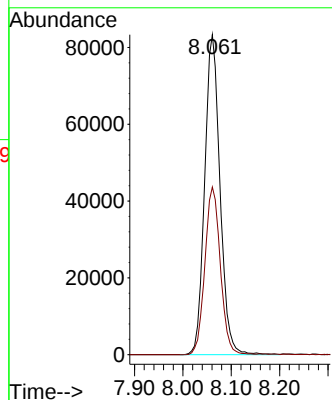
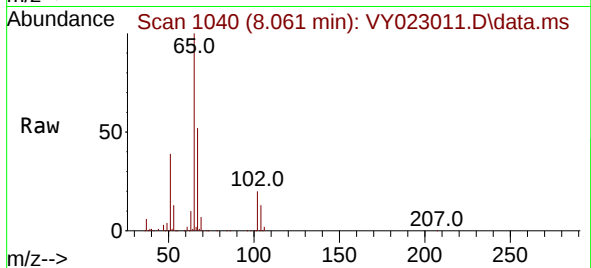
OU4-TS-41-071725

Tgt Ion: 65 Resp: 183651

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023011.D

Acq: 18 Jul 2025 20:26

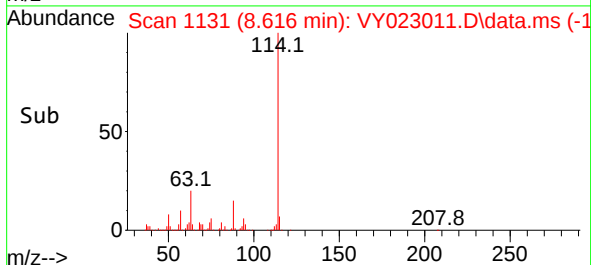
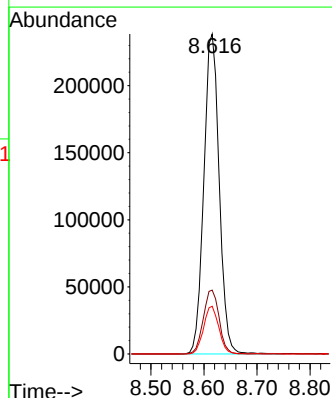
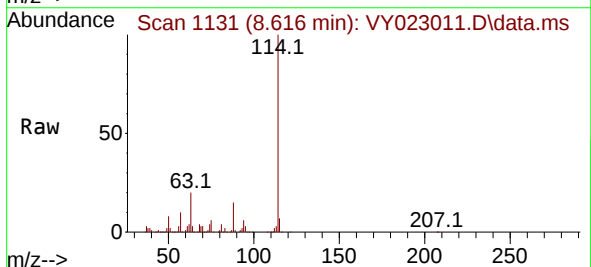
Tgt Ion: 114 Resp: 479005

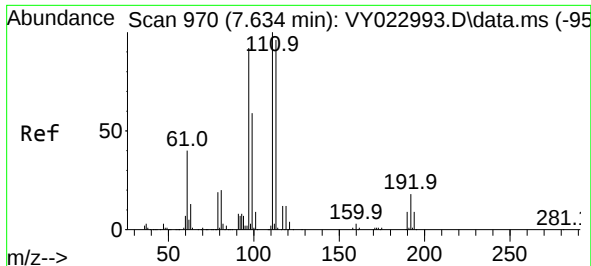
Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.8

88 14.9 0.0 30.2

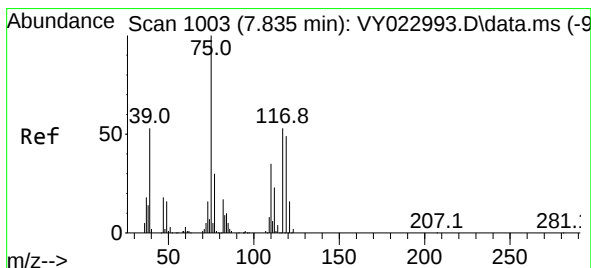
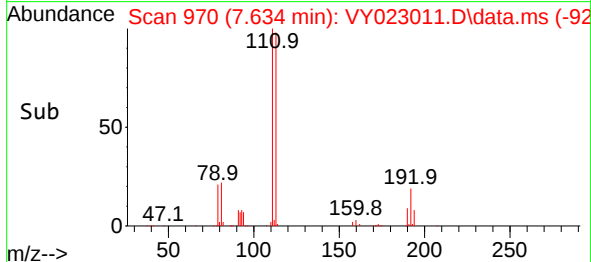
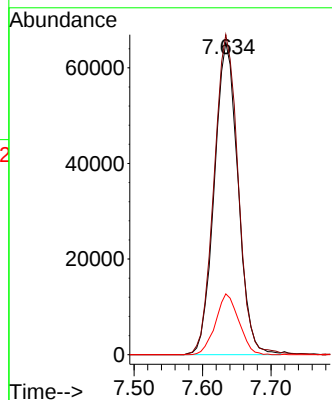
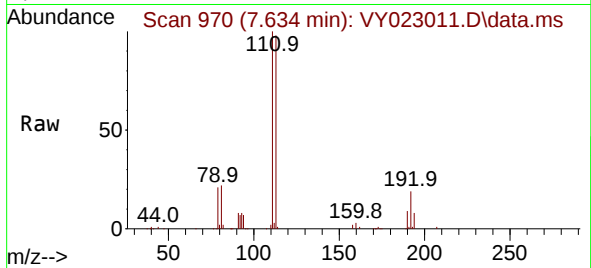




#35
Dibromofluoromethane
Concen: 51.525 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023011.D
Acq: 18 Jul 2025 20:26

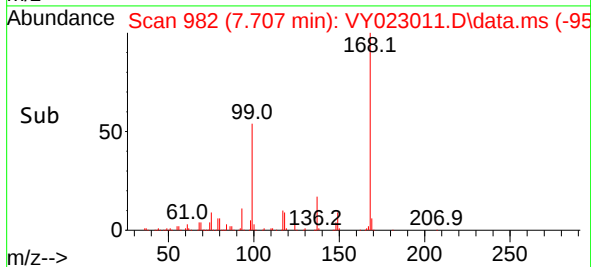
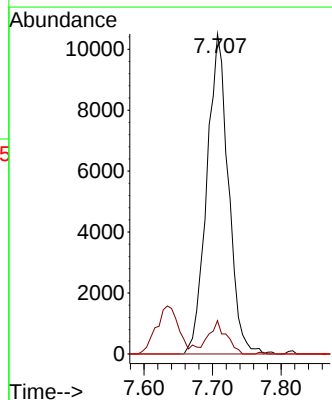
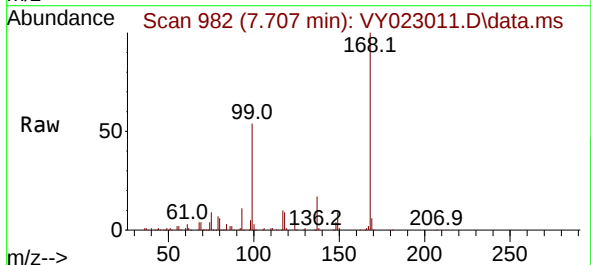
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-41-071725

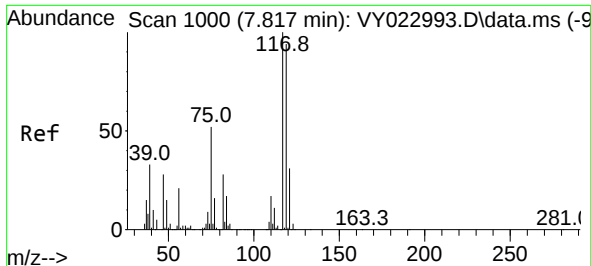
Tgt Ion:113 Resp: 156559
Ion Ratio Lower Upper
113 100
111 104.5 83.2 124.8
192 19.1 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.798 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023011.D
Acq: 18 Jul 2025 20:26

Tgt Ion: 75 Resp: 22964
Ion Ratio Lower Upper
75 100
110 8.5 17.3 51.9#
77 0.0 24.6 37.0#

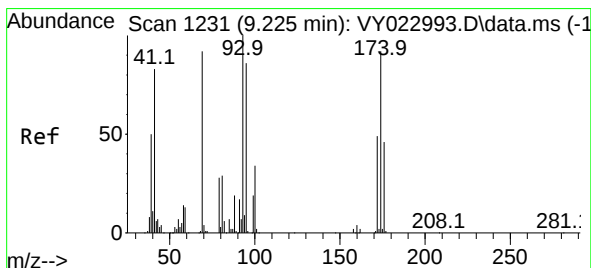
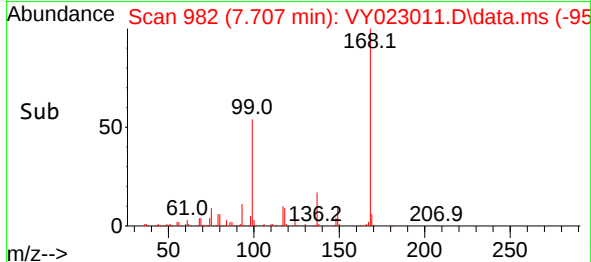
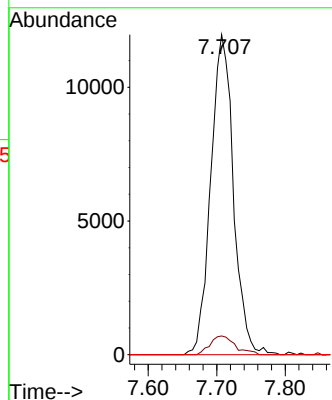
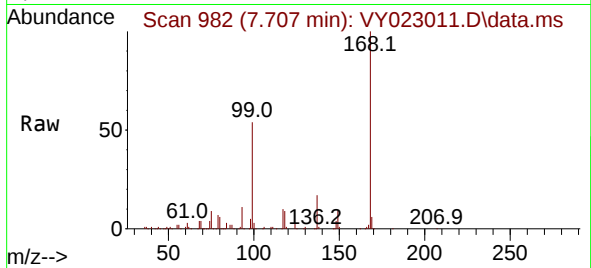




#38
Carbon Tetrachloride
Concen: 5.276 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023011.D
Acq: 18 Jul 2025 20:26

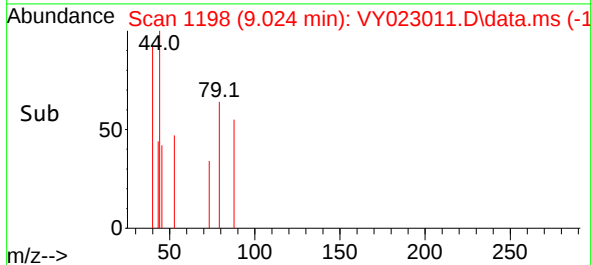
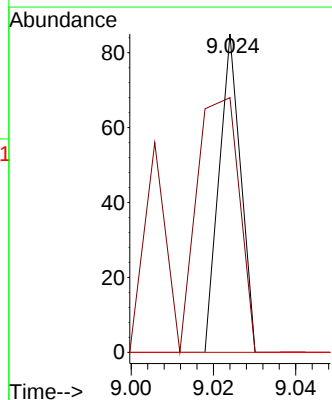
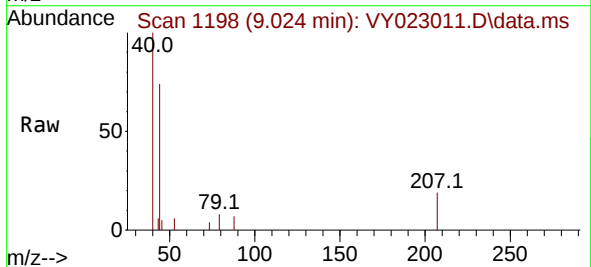
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-41-071725

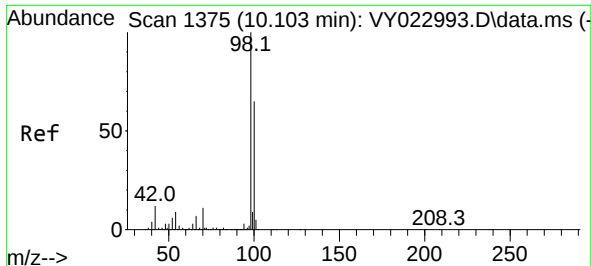
Tgt Ion:117 Resp: 27432
Ion Ratio Lower Upper
117 100
119 5.8 74.9 112.3#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 1.691 ug/l
RT: 9.024 min Scan# 1198
Delta R.T. -0.201 min
Lab File: VY023011.D
Acq: 18 Jul 2025 20:26

Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 222.6 28.7 43.1#
58 0.0 59.8 89.6#

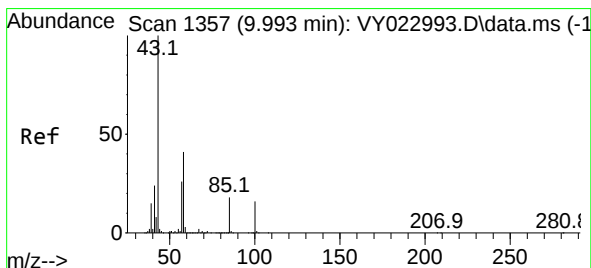
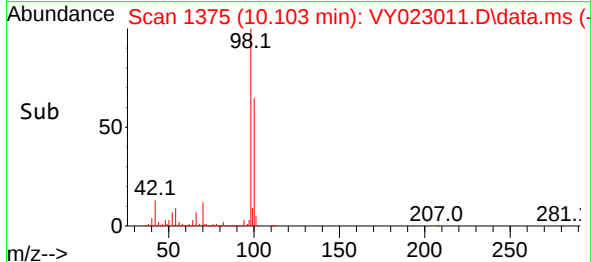
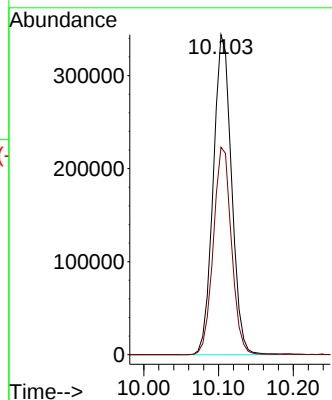
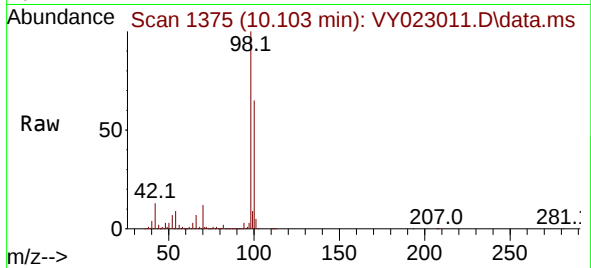




#50
Toluene-d8
Concen: 48.673 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023011.D
Acq: 18 Jul 2025 20:26

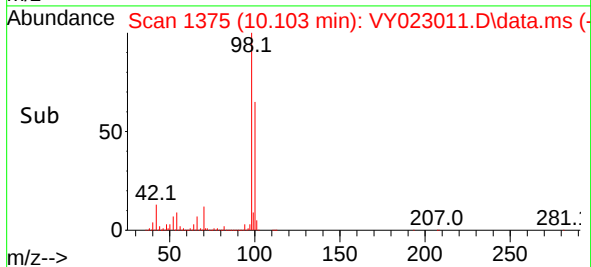
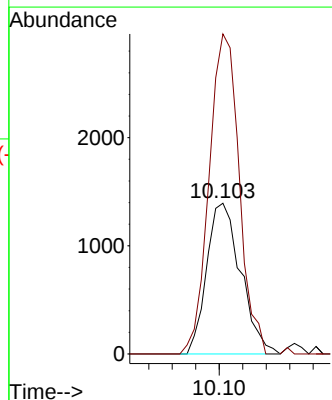
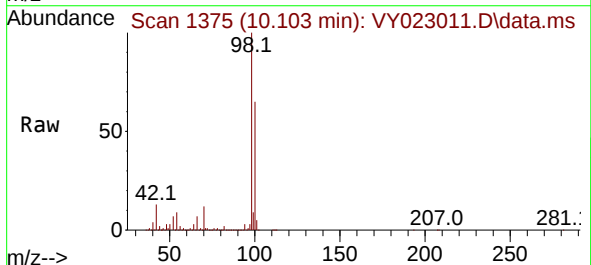
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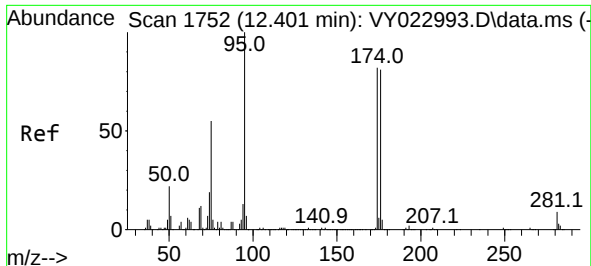
Tgt Ion: 98 Resp: 586486
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.562 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023011.D
Acq: 18 Jul 2025 20:26

Tgt Ion: 43 Resp: 2800
Ion Ratio Lower Upper
43 100
58 188.1 32.5 48.7#

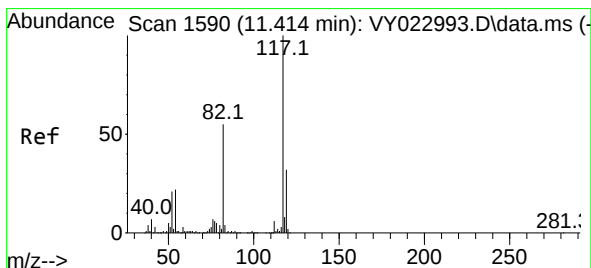
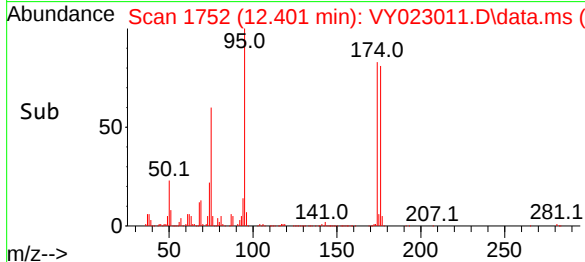
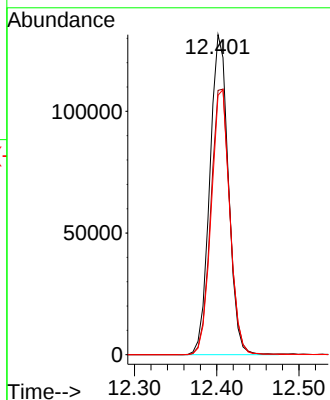
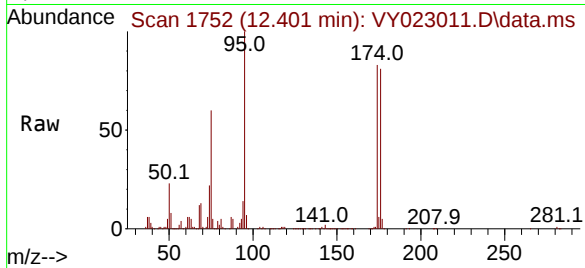




#62
4-Bromofluorobenzene
Concen: 54.451 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023011.D
Acq: 18 Jul 2025 20:26

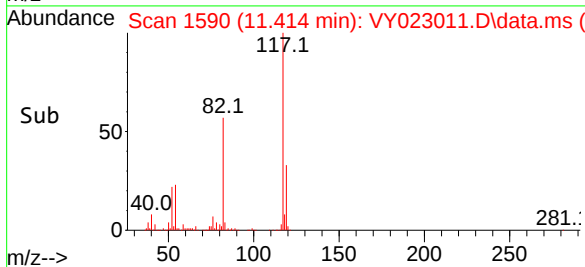
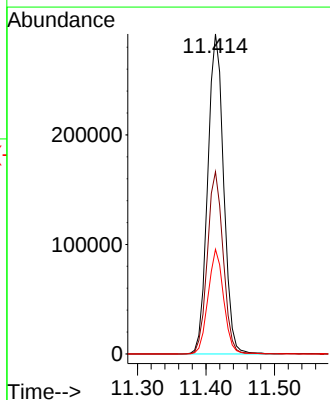
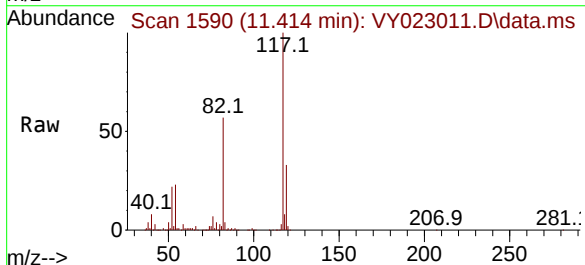
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-41-071725

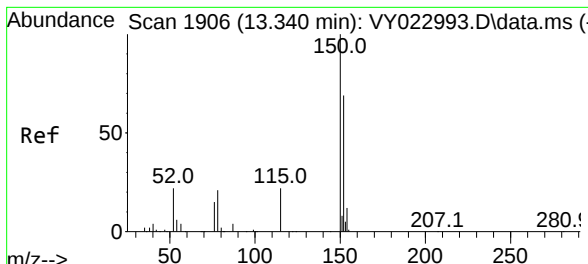
Tgt Ion: 95 Resp: 206534
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.8
176 82.6 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023011.D
Acq: 18 Jul 2025 20:26

Tgt Ion: 117 Resp: 471769
Ion Ratio Lower Upper
117 100
82 56.9 44.3 66.5
119 32.7 25.8 38.8

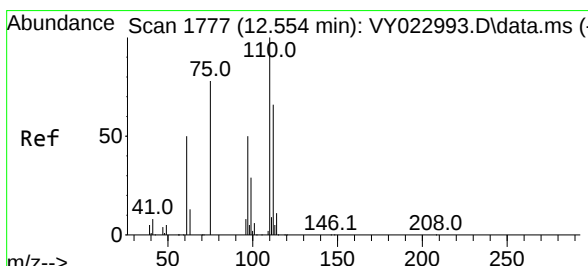
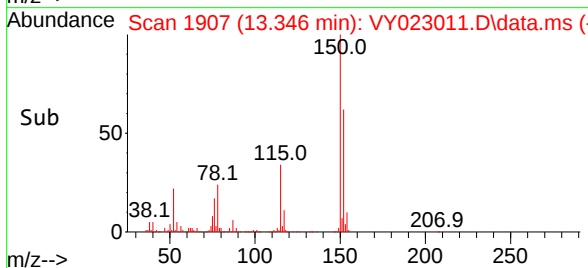
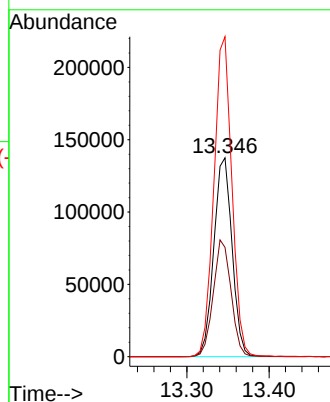
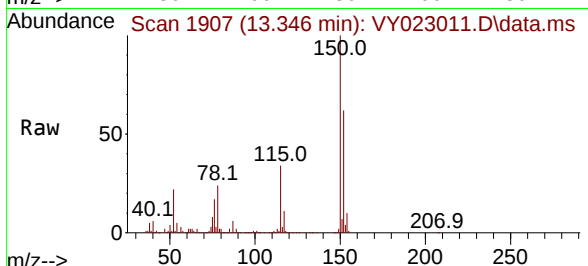




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. 0.006 min
 Lab File: VY023011.D
 Acq: 18 Jul 2025 20:26

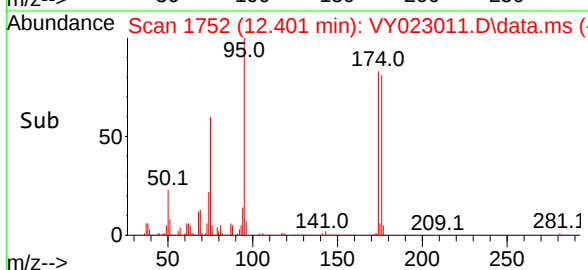
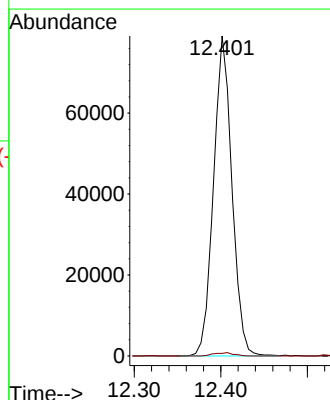
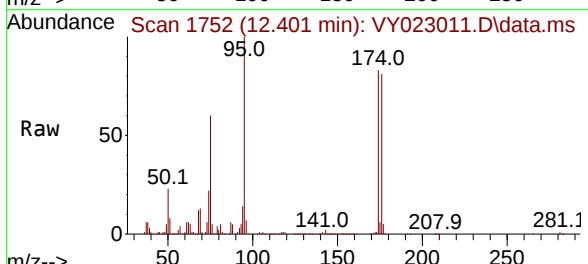
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-41-071725

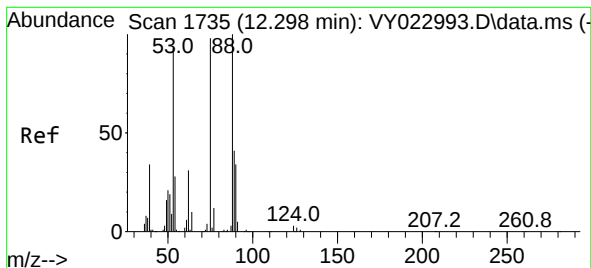
Tgt Ion:152 Resp: 212236
 Ion Ratio Lower Upper
 152 100
 115 57.4 29.4 88.2
 150 158.2 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 44.130 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023011.D
 Acq: 18 Jul 2025 20:26

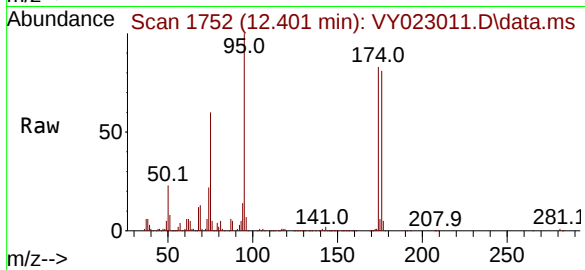
Tgt Ion: 75 Resp: 116708
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 131.440 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY023011.D
Acq: 18 Jul 2025 20:26

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-41-071725



Tgt Ion: 75 Resp: 116708
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 36.1 54.1#

