

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
 Data File : VY021385.D
 Acq On : 28 Feb 2025 17:05
 Operator : SY/MD
 Sample : Q1448-05
 Misc : 5.55g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P4RE

Quant Time: Feb 28 22:22:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

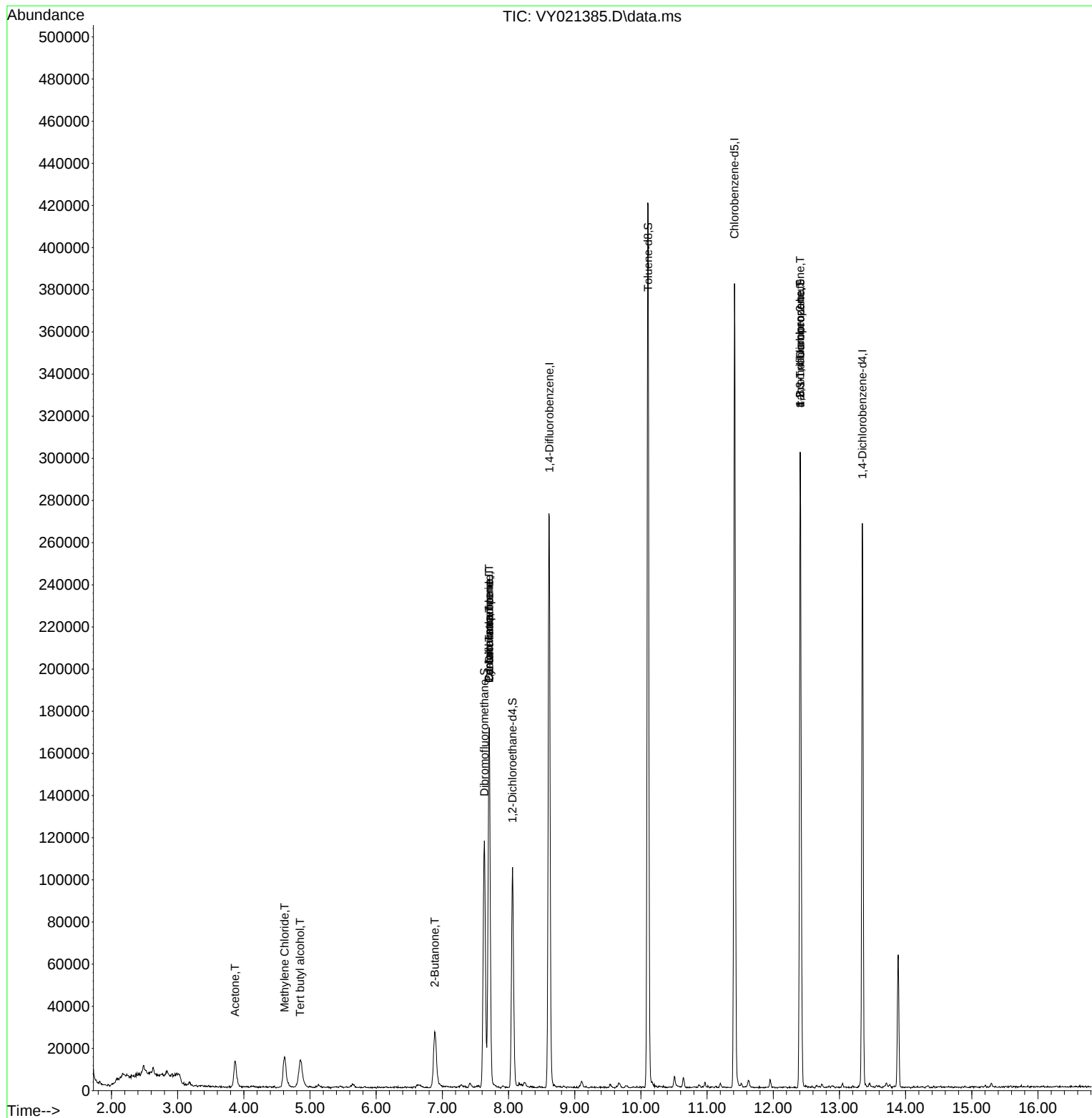
Internal Standards						
1) Pentafluorobenzene	7.707	168	127050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	227538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	195919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	63405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84138	58.378	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.760%	
35) Dibromofluoromethane	7.634	113	81861	54.876	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.760%	
50) Toluene-d8	10.109	98	276052	47.882	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.760%	
62) 4-Bromofluorobenzene	12.407	95	74956	38.632	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.260%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	23386	210.951	ug/l	99
16) Acetone	3.866	43	22189	80.258	ug/l	98
20) Methylene Chloride	4.616	84	10242	6.851	ug/l	90
25) 2-Butanone	6.884	43	2057	4.930	ug/l	91
31) Cyclohexane	7.707	56	3500	1.377	ug/l #	6
36) 1,1-Dichloropropene	7.707	75	10770	4.806	ug/l #	50
38) Carbon Tetrachloride	7.707	117	12974	5.150	ug/l #	15
76) 1,2,3-Trichloropropane	12.407	75	41369	65.184	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	41369	144.881	ug/l #	11

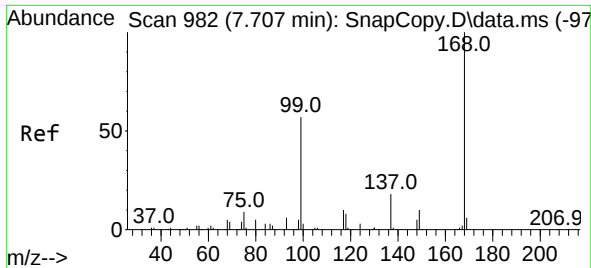
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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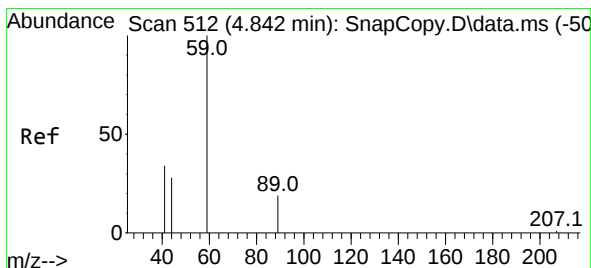
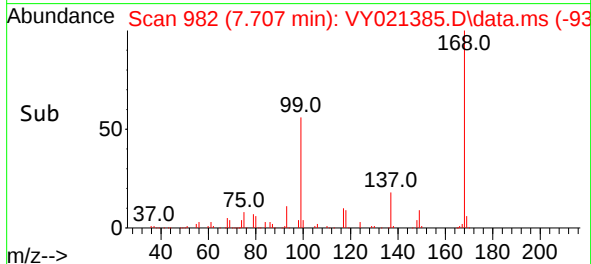
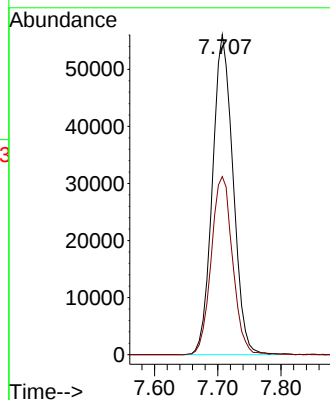
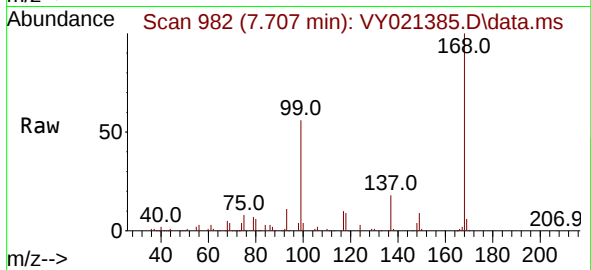




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021385.D
Acq: 28 Feb 2025 17:05

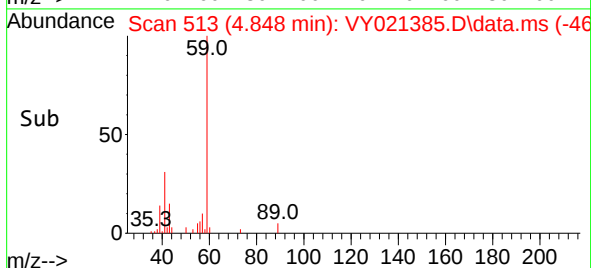
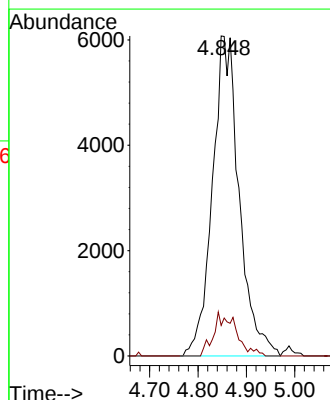
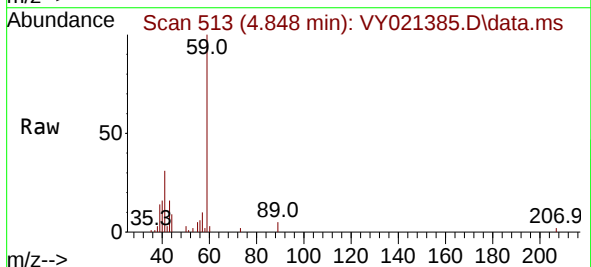
Instrument :
MSVOA_Y
ClientSampleId :
P4RE

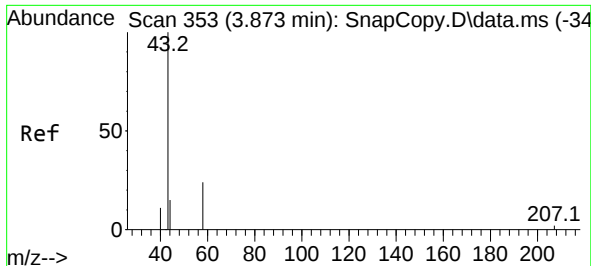
Tgt Ion:168 Resp: 127050
Ion Ratio Lower Upper
168 100
99 55.7 47.1 70.7



#11
Tert butyl alcohol
Concen: 210.951 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY021385.D
Acq: 28 Feb 2025 17:05

Tgt Ion: 59 Resp: 23386
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5

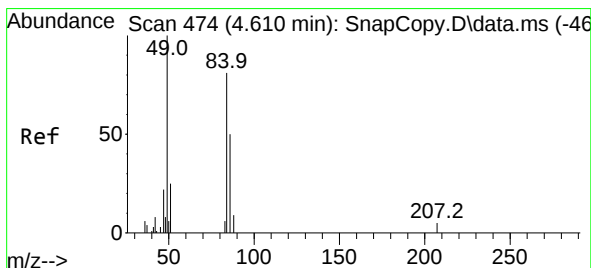
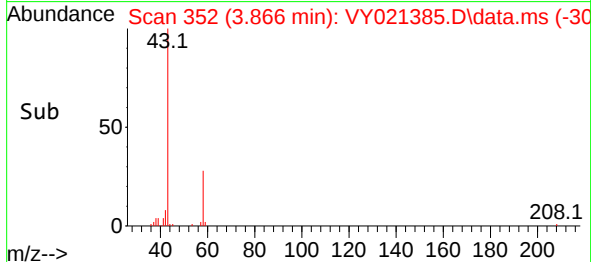
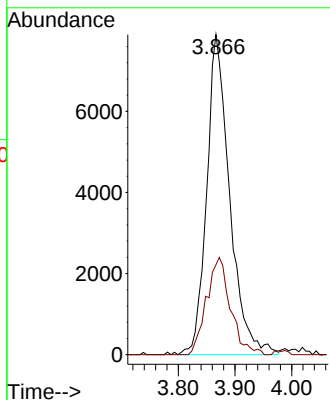
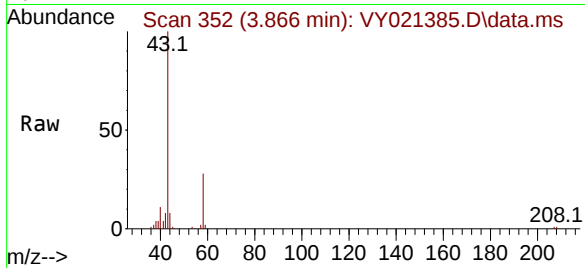




#16
Acetone
Concen: 80.258 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY021385.D
Acq: 28 Feb 2025 17:05

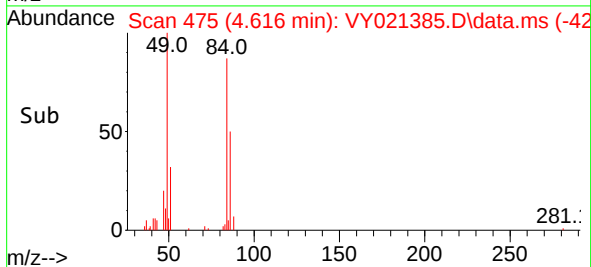
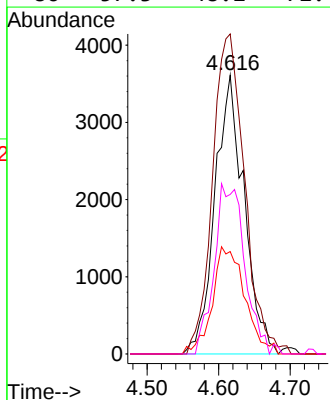
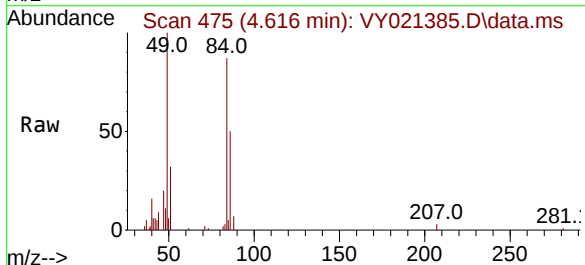
Instrument :
MSVOA_Y
ClientSampleId :
P4RE

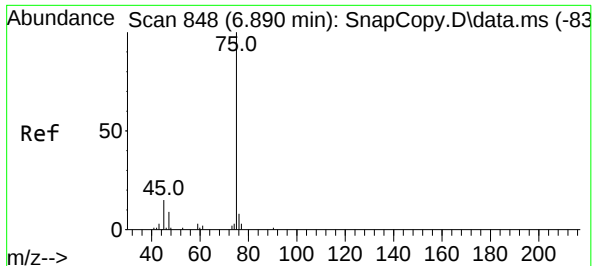
Tgt Ion: 43 Resp: 22189
Ion Ratio Lower Upper
43 100
58 28.1 23.5 35.3



#20
Methylene Chloride
Concen: 6.851 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021385.D
Acq: 28 Feb 2025 17:05

Tgt Ion: 84 Resp: 10242
Ion Ratio Lower Upper
84 100
49 114.8 105.1 157.7
51 36.7 31.0 46.4
86 57.3 48.2 72.4





#25

2-Butanone

Concen: 4.930 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY021385.D

Acq: 28 Feb 2025 17:05

Instrument :

MSVOA_Y

ClientSampleId :

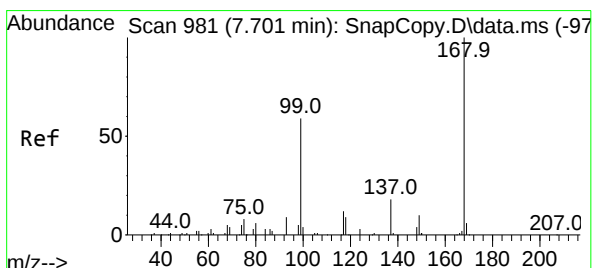
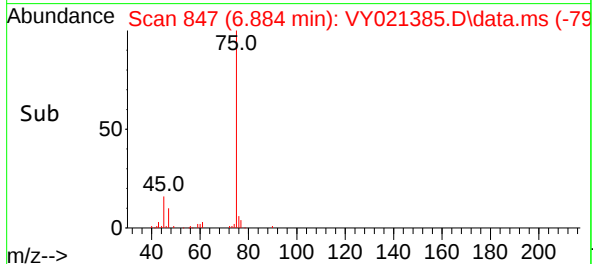
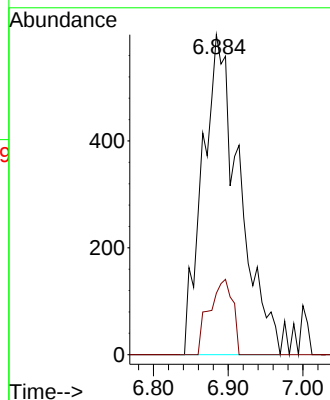
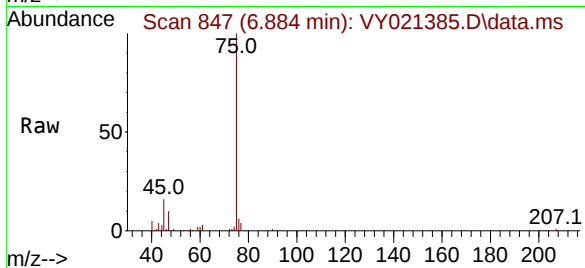
P4RE

Tgt Ion: 43 Resp: 2057

Ion Ratio Lower Upper

43 100

72 19.2 19.0 28.6



#31

Cyclohexane

Concen: 1.377 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY021385.D

Acq: 28 Feb 2025 17:05

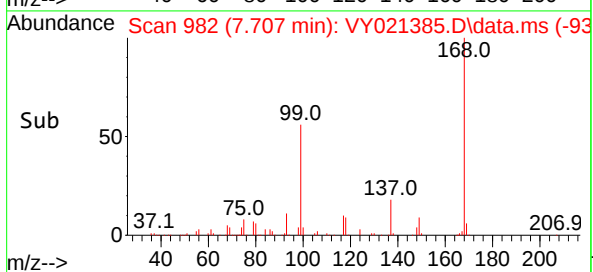
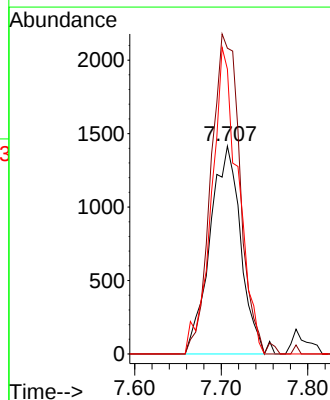
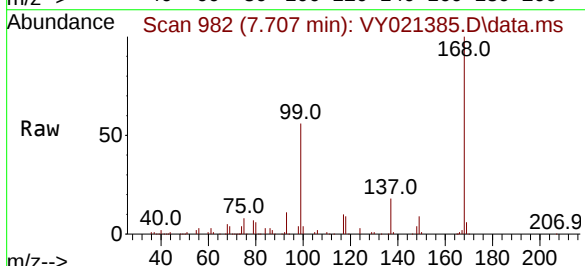
Tgt Ion: 56 Resp: 3500

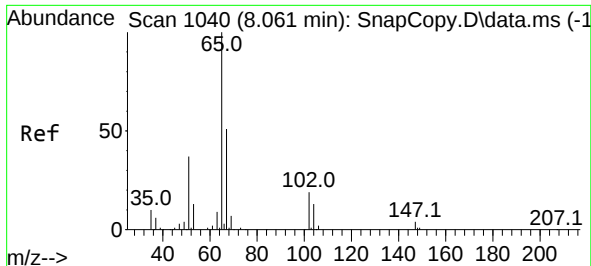
Ion Ratio Lower Upper

56 100

69 147.1 26.2 39.4#

84 137.0 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 58.378 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY021385.D

Acq: 28 Feb 2025 17:05

Instrument :

MSVOA_Y

ClientSampleId :

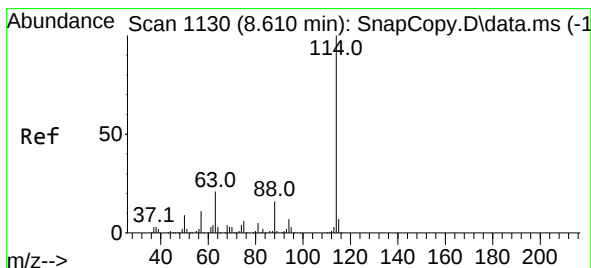
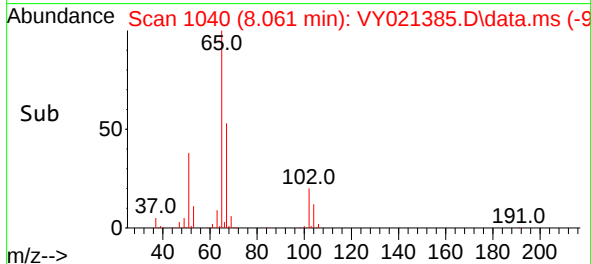
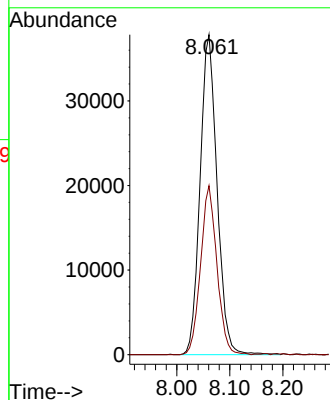
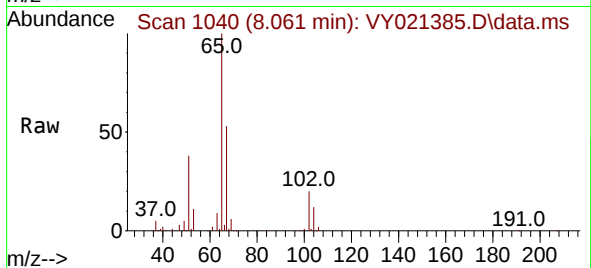
P4RE

Tgt Ion: 65 Resp: 84138

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021385.D

Acq: 28 Feb 2025 17:05

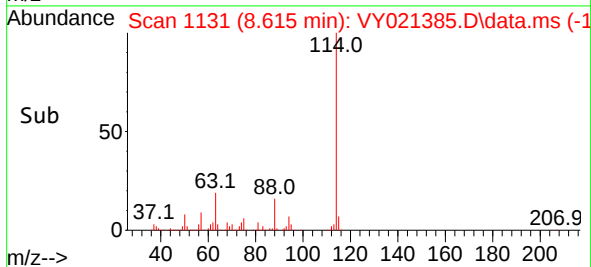
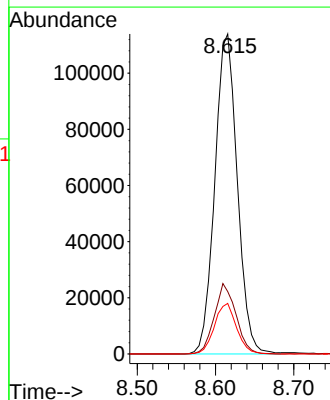
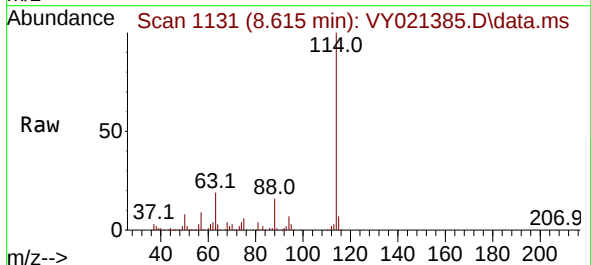
Tgt Ion: 114 Resp: 227538

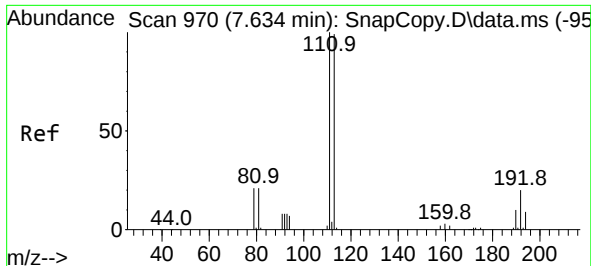
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.2

88 15.8 0.0 29.8

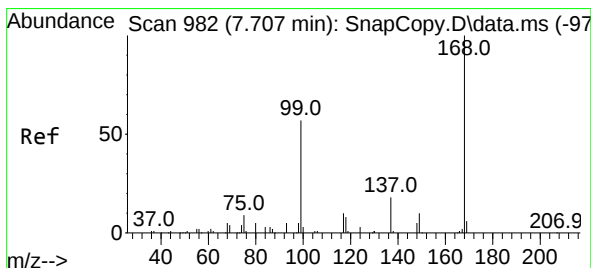
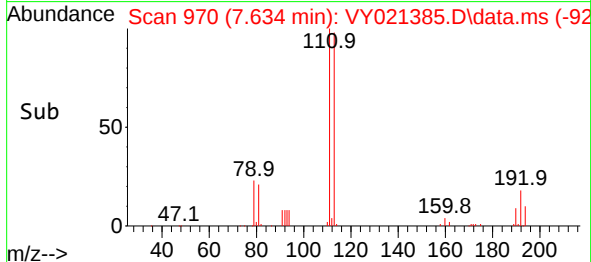
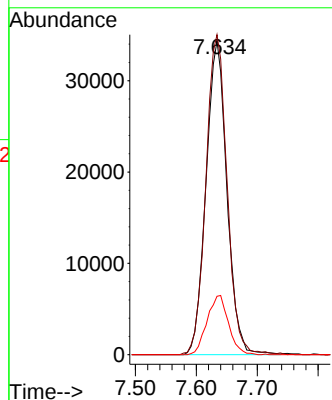
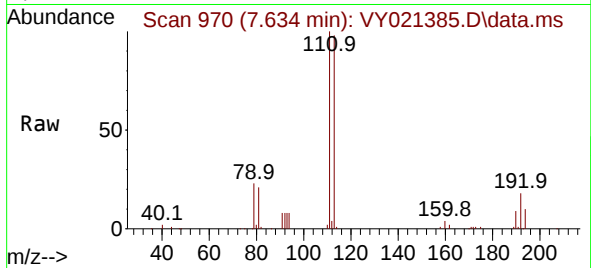




#35
Dibromofluoromethane
Concen: 54.876 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021385.D
Acq: 28 Feb 2025 17:05

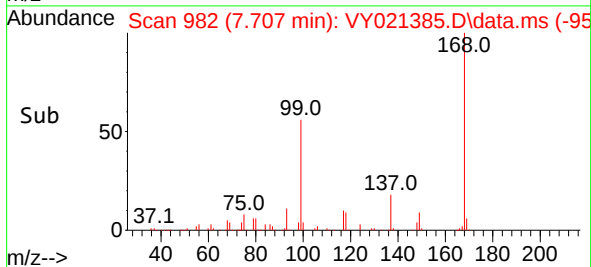
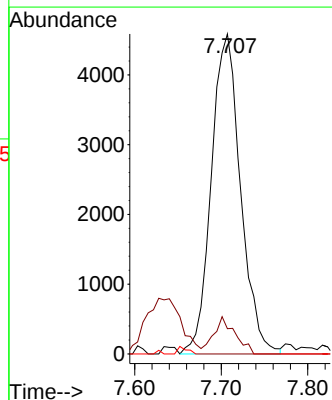
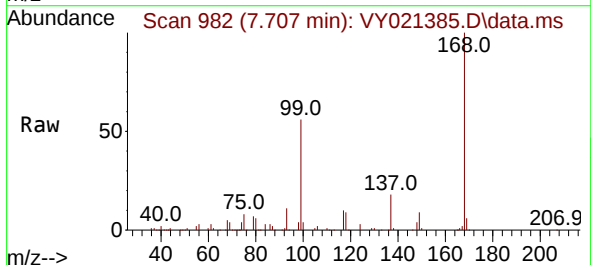
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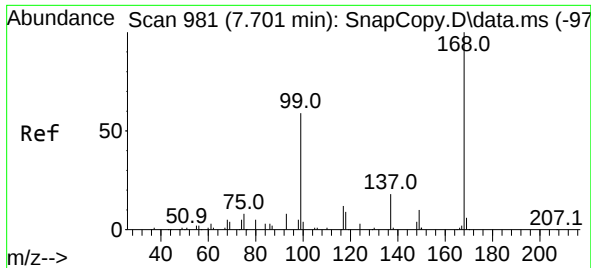
Tgt Ion:113 Resp: 81861
Ion Ratio Lower Upper
113 100
111 103.3 81.0 121.6
192 19.3 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.806 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021385.D
Acq: 28 Feb 2025 17:05

Tgt Ion: 75 Resp: 10770
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.7#
77 0.0 24.6 36.8#

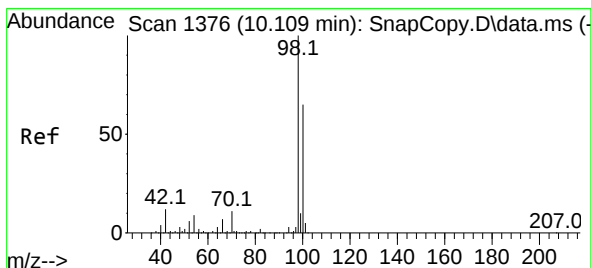
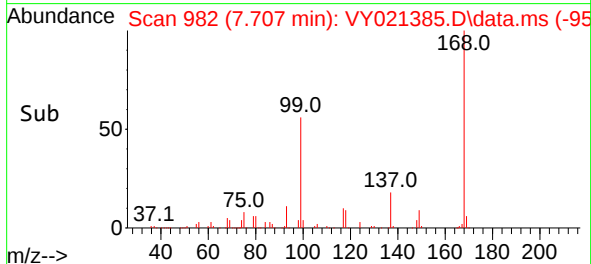
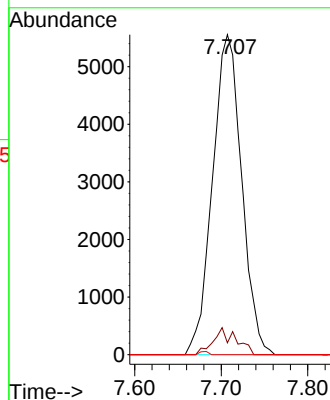
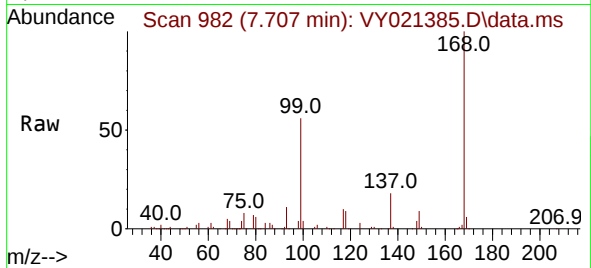




#38
Carbon Tetrachloride
Concen: 5.150 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021385.D
Acq: 28 Feb 2025 17:05

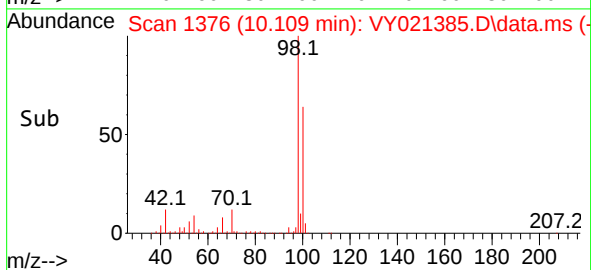
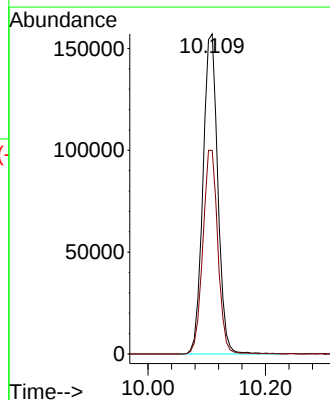
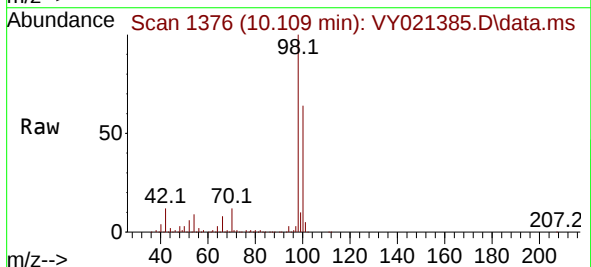
Instrument :
MSVOA_Y
ClientSampleId :
P4RE

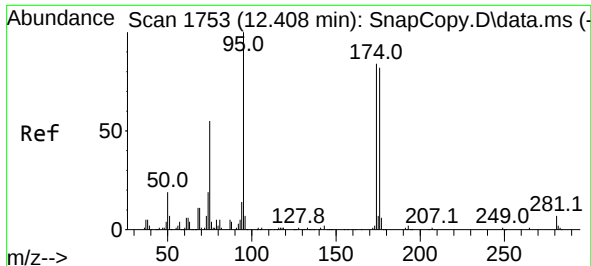
Tgt Ion:117 Resp: 12974
Ion Ratio Lower Upper
117 100
119 3.7 76.0 114.0#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 47.882 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021385.D
Acq: 28 Feb 2025 17:05

Tgt Ion: 98 Resp: 276052
Ion Ratio Lower Upper
98 100
100 64.1 52.4 78.6

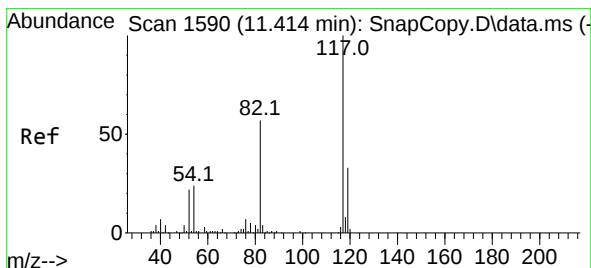
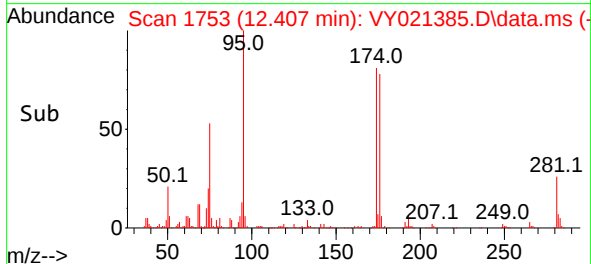
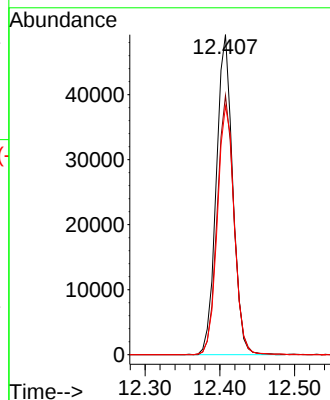
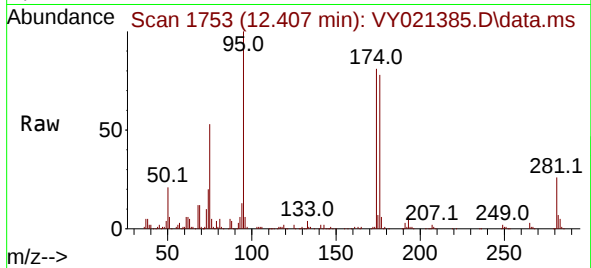




#62
4-Bromofluorobenzene
Concen: 38.632 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021385.D
Acq: 28 Feb 2025 17:05

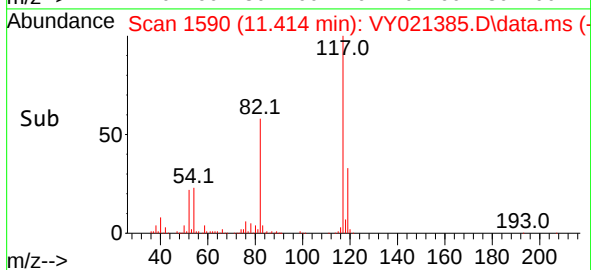
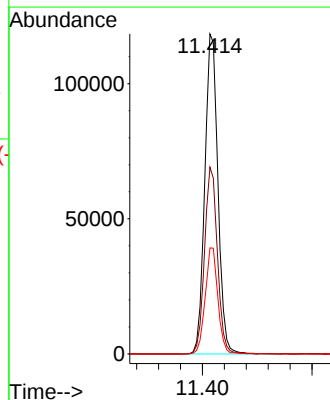
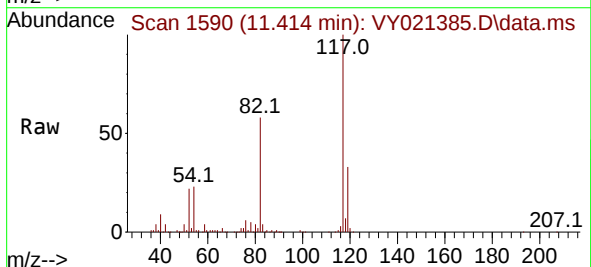
Instrument :
MSVOA_Y
ClientSampleId :
P4RE

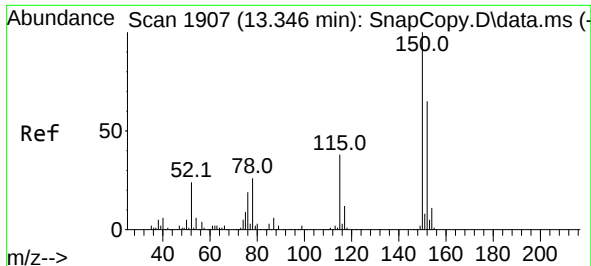
Tgt Ion:	95	Resp:	74956
Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	168.0
176	80.3	0.0	162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021385.D
Acq: 28 Feb 2025 17:05

Tgt Ion:	117	Resp:	195919
Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.2	69.4
119	33.1	24.9	37.3

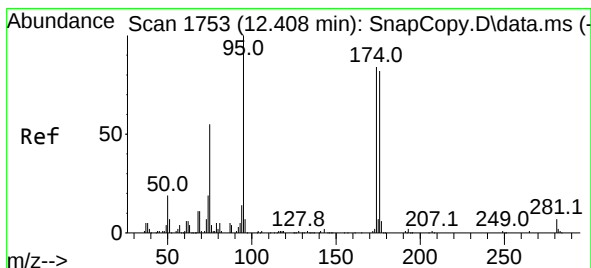
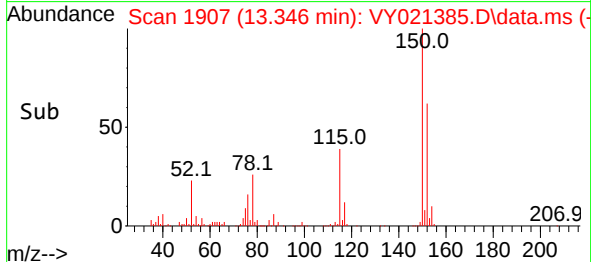
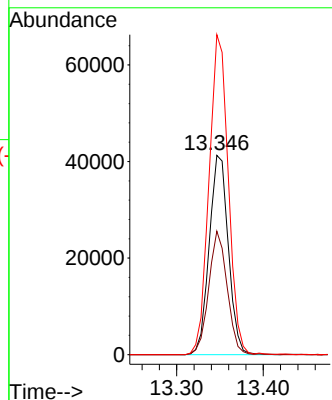
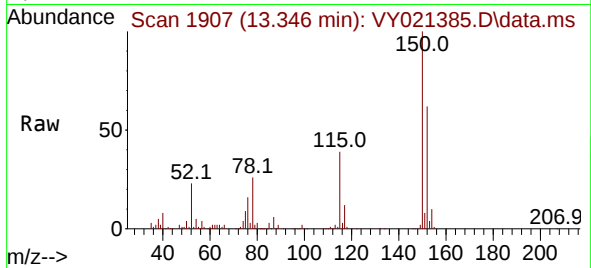




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021385.D
 Acq: 28 Feb 2025 17:05

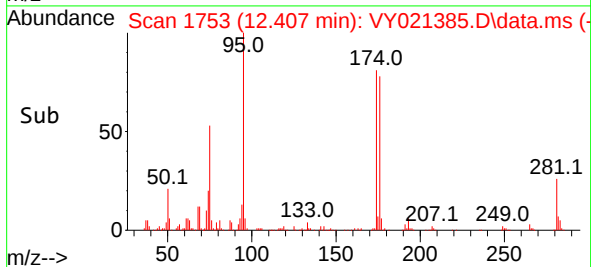
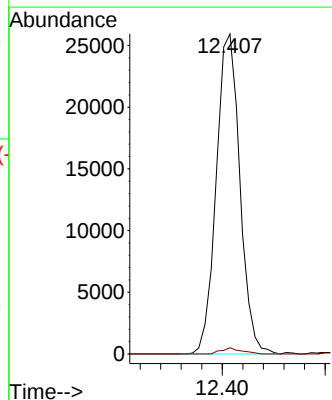
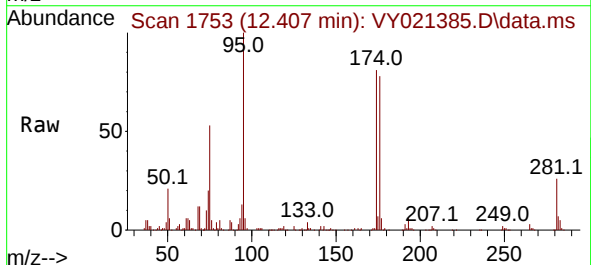
Instrument :
 MSVOA_Y
 ClientSampleId :
 P4RE

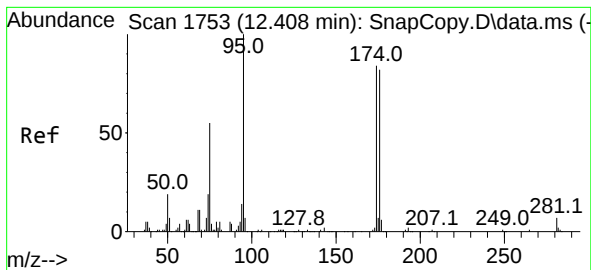
Tgt Ion:152 Resp: 63405
 Ion Ratio Lower Upper
 152 100
 115 59.7 29.3 88.0
 150 161.3 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 65.184 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021385.D
 Acq: 28 Feb 2025 17:05

Tgt Ion: 75 Resp: 41369
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 144.881 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021385.D
Acq: 28 Feb 2025 17:05

Instrument :
MSVOA_Y
ClientSampleId :
P4RE

Tgt Ion: 75 Resp: 41369
Ion Ratio Lower Upper
75 100
53 0.1 79.1 118.7#
89 0.6 35.6 53.4#

