

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020323\
 Data File : VY012486.D
 Acq On : 03 Feb 2023 18:44
 Operator : KP/MD
 Sample : 01410-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:14:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

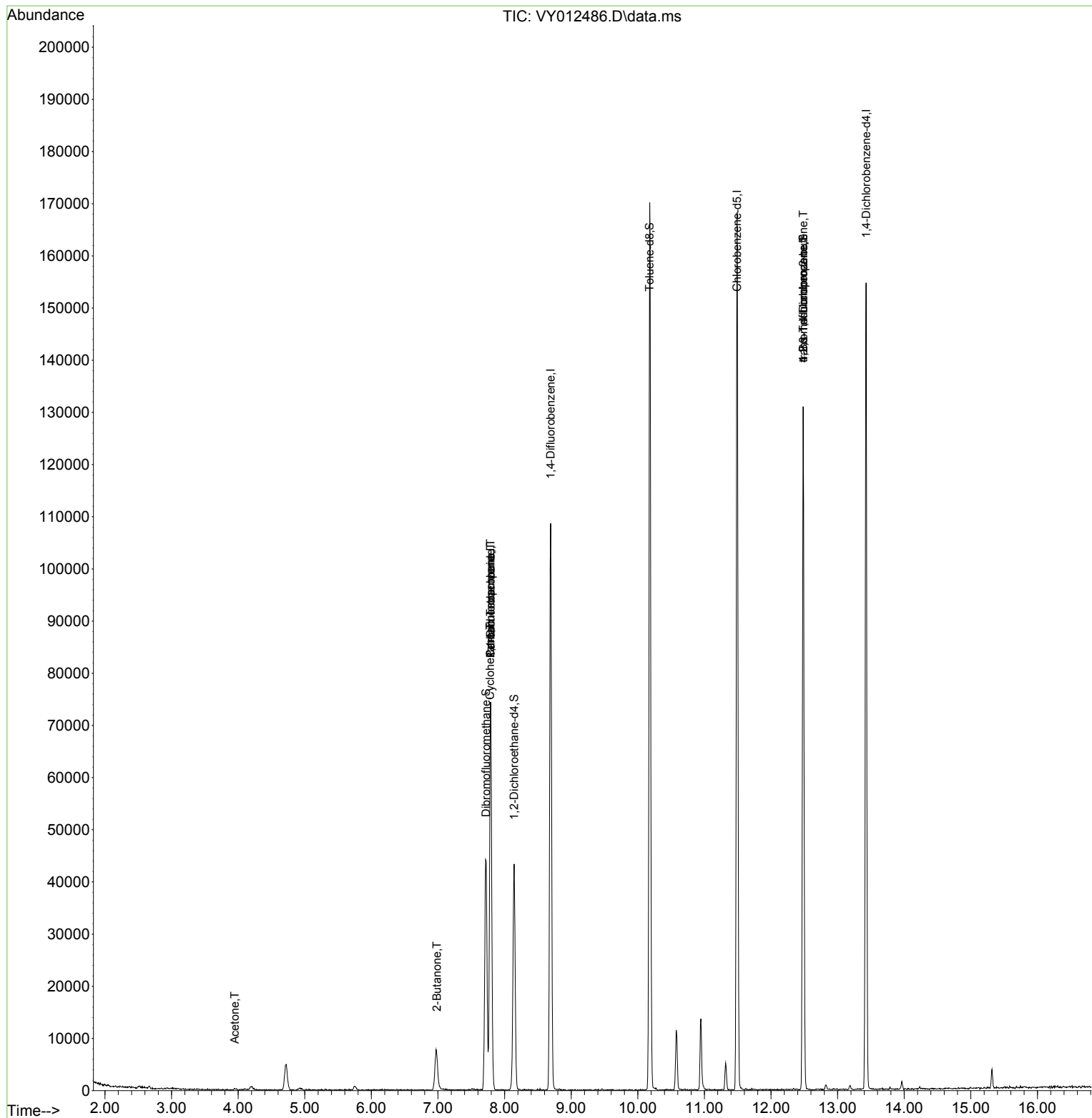
Internal Standards						
1) Pentafluorobenzene	7.789	168	59982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	98685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	98176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	43022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	35871	74.039	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	148.080%	
35) Dibromofluoromethane	7.722	113	31107	59.531	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	119.060%	
50) Toluene-d8	10.179	98	118031	66.634	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	=	133.260%	
62) 4-Bromofluorobenzene	12.483	95	36301	49.281	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	=	98.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.923	59	387	Below Cal	#	74
16) Acetone	3.948	43	314	1.880	ug/l #	40
20) Methylene Chloride	4.710	84	4391	Below Cal	#	85
25) 2-Butanone	6.984	43	297	1.611	ug/l #	46
31) Cyclohexane	7.783	56	1038	1.187	ug/l #	20
36) 1,1-Dichloropropene	7.789	75	3867	4.354	ug/l #	52
38) Carbon Tetrachloride	7.789	117	5786	5.045	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	18747	47.388	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	18747	97.641	ug/l #	13

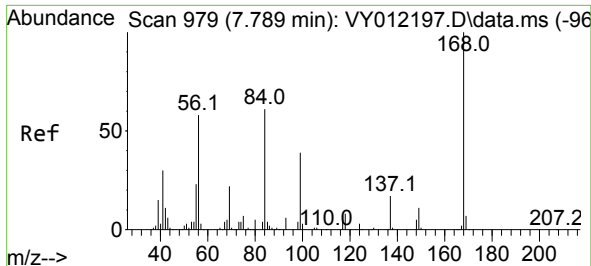
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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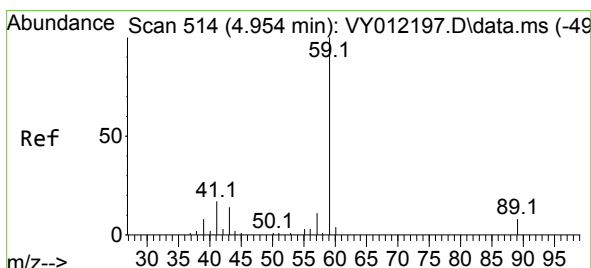
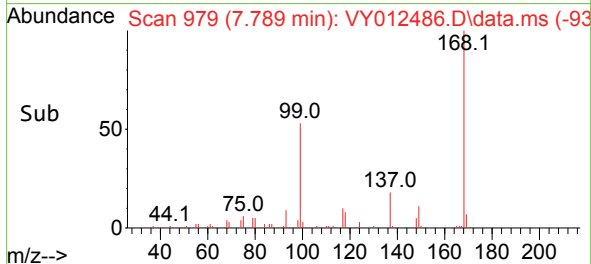
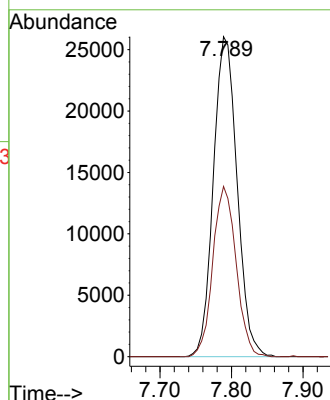
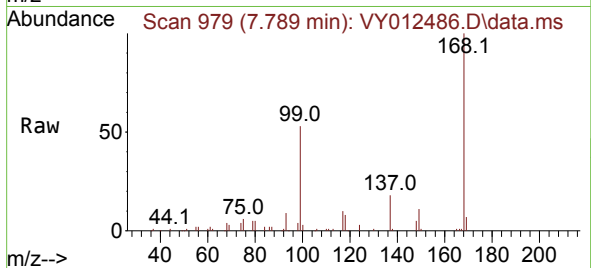




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012486.D
Acq: 03 Feb 2023 18:44

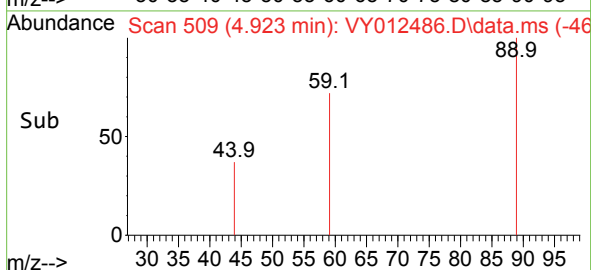
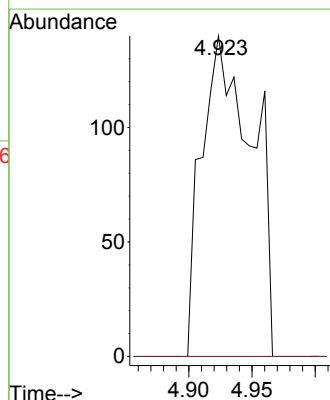
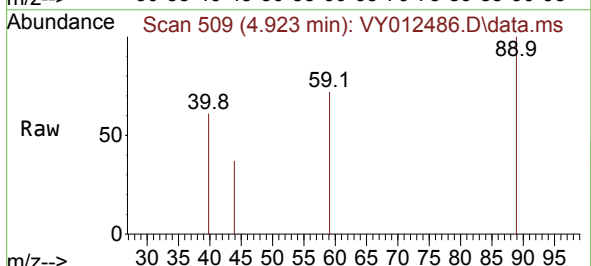
Instrument :
MSVOA_Y
ClientSampleId :

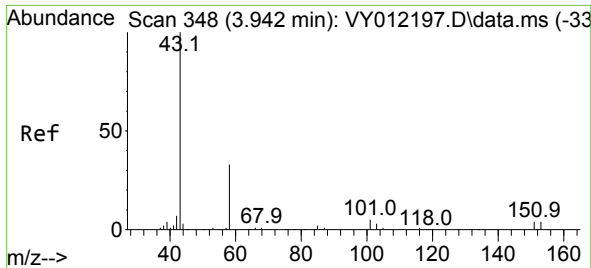
Tgt Ion:168 Resp: 59982
Ion Ratio Lower Upper
168 100
99 53.2 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.923 min Scan# 509
Delta R.T. -0.025 min
Lab File: VY012486.D
Acq: 03 Feb 2023 18:44

Tgt Ion: 59 Resp: 387
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

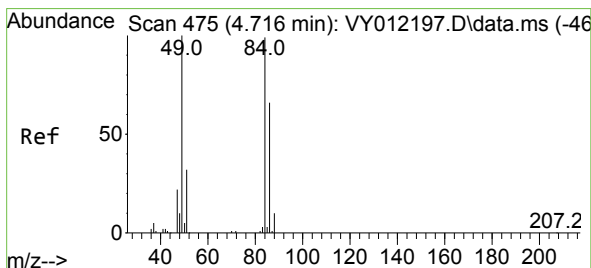
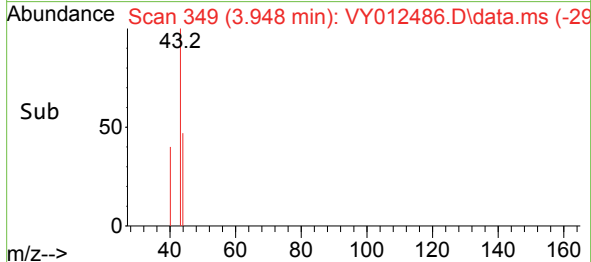
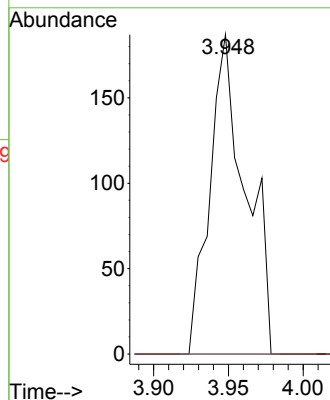
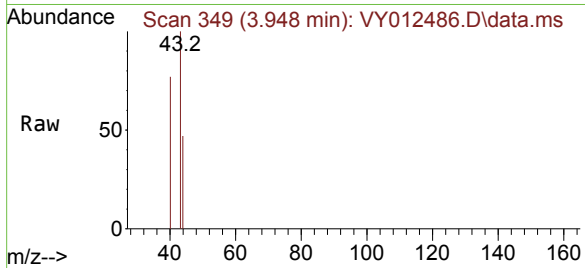




#16
Acetone
Concen: 1.880 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012486.D
Acq: 03 Feb 2023 18:44

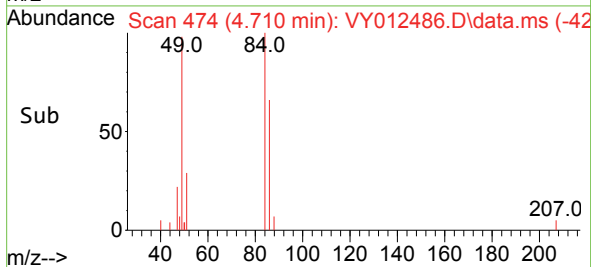
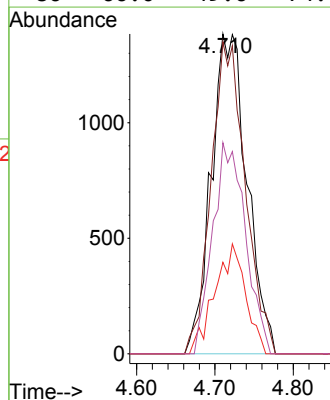
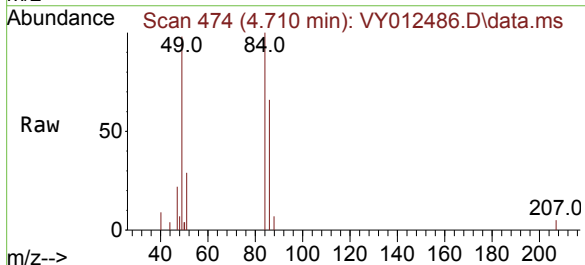
Instrument :
MSVOA_Y
ClientSampleId :

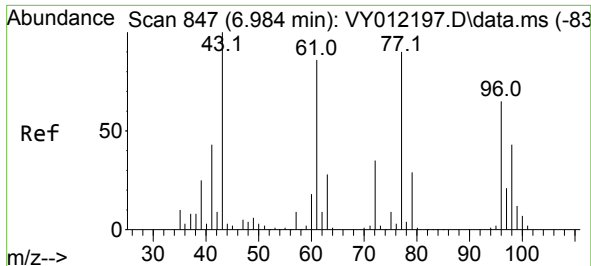
Tgt Ion: 43 Resp: 314
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012486.D
Acq: 03 Feb 2023 18:44

Tgt Ion: 84 Resp: 4391
Ion Ratio Lower Upper
84 100
49 97.5 95.4 143.2
51 28.6 29.9 44.9#
86 66.0 49.6 74.4





#25

2-Butanone

Concen: 1.611 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012486.D

Acq: 03 Feb 2023 18:44

Instrument :

MSVOA_Y

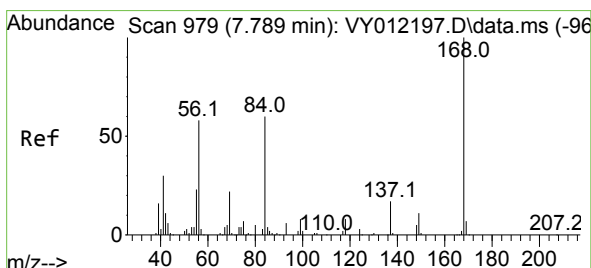
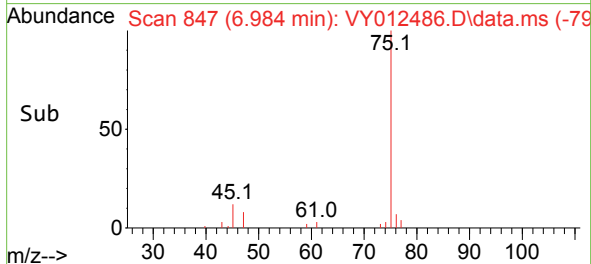
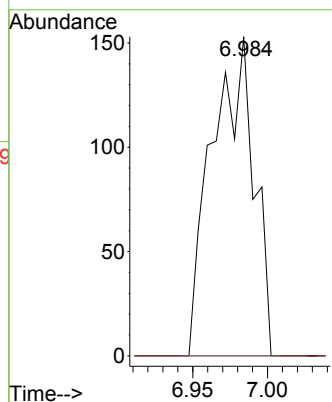
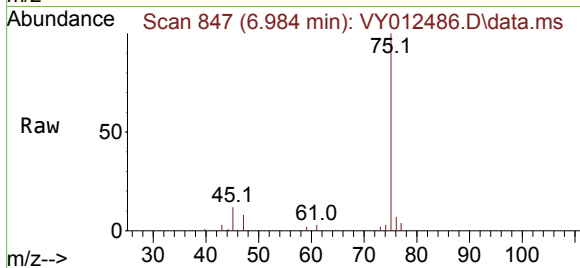
ClientSampleId :

Tgt Ion: 43 Resp: 297

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012486.D

Acq: 03 Feb 2023 18:44

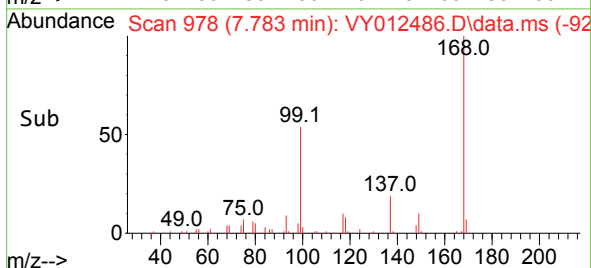
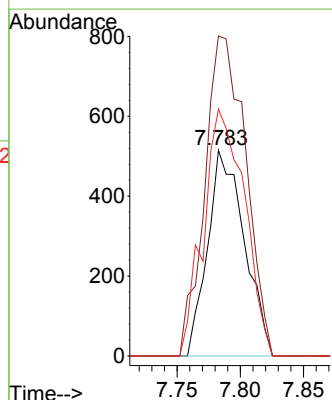
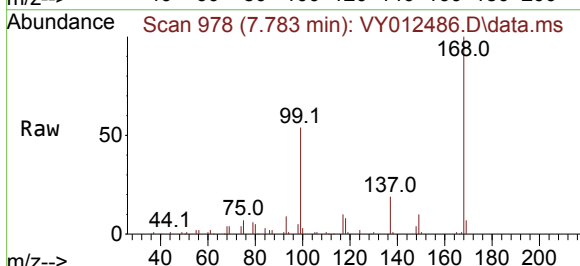
Tgt Ion: 56 Resp: 1038

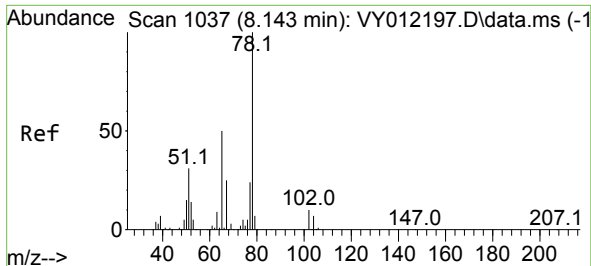
Ion Ratio Lower Upper

56 100

69 155.5 29.2 43.8#

84 120.0 72.6 108.8#

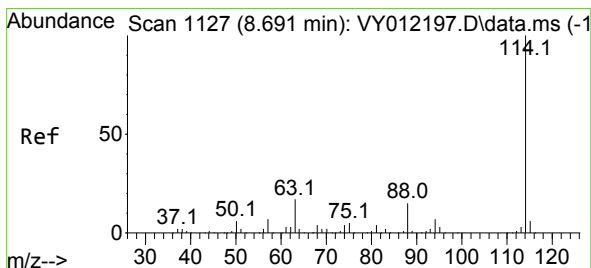
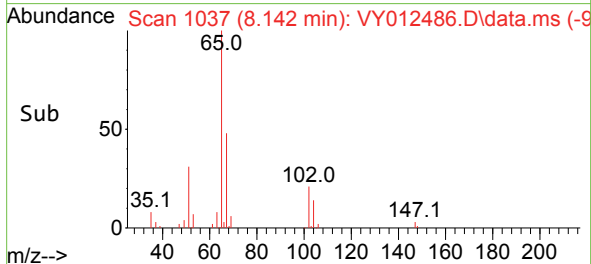
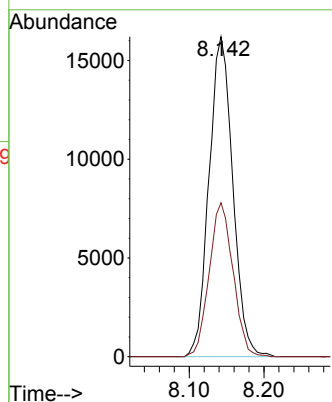
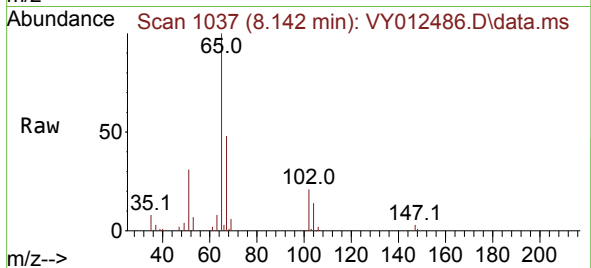




#33
 1,2-Dichloroethane-d4
 Concen: 74.039 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.001 min
 Lab File: VY012486.D
 Acq: 03 Feb 2023 18:44

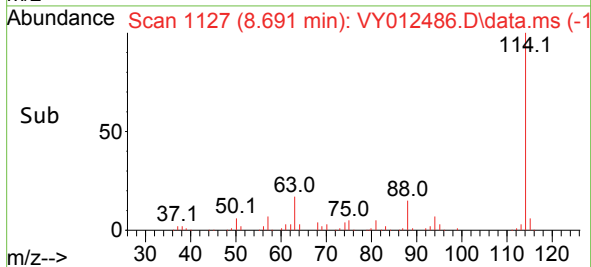
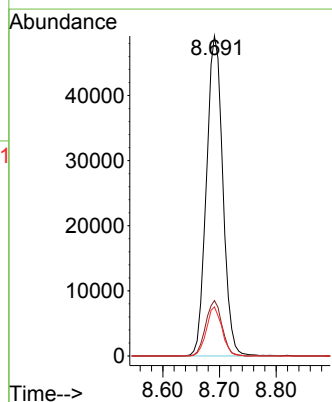
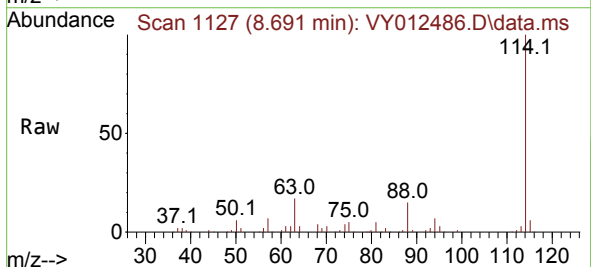
Instrument :
 MSVOA_Y
 ClientSampleId :

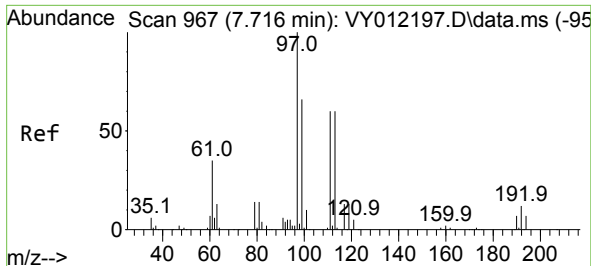
Tgt Ion: 65 Resp: 35871
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012486.D
 Acq: 03 Feb 2023 18:44

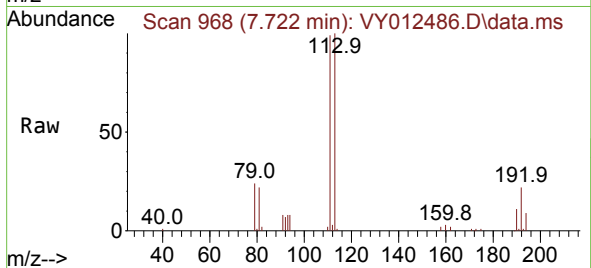
Tgt Ion:114 Resp: 98685
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 39.6
 88 15.3 0.0 32.2



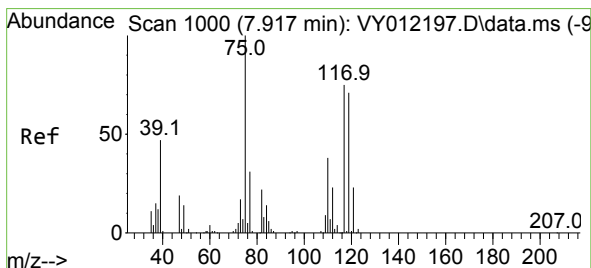
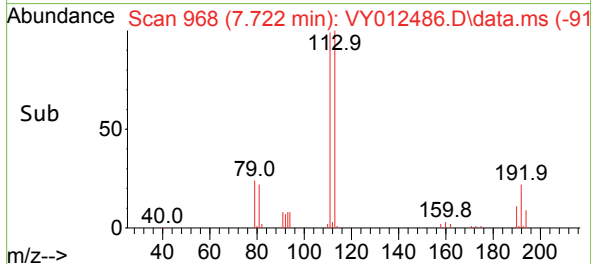
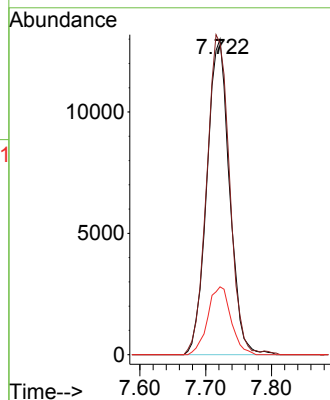


#35
Dibromofluoromethane
Concen: 59.531 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012486.D
Acq: 03 Feb 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :

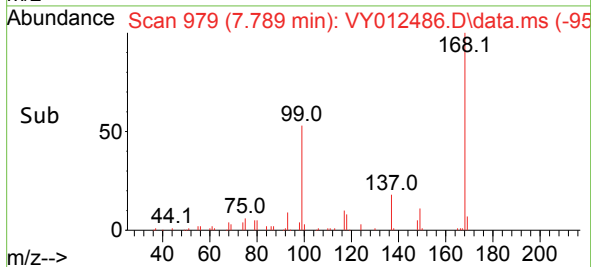
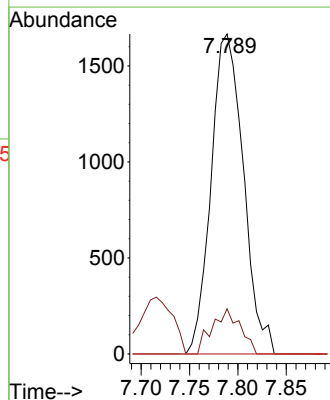
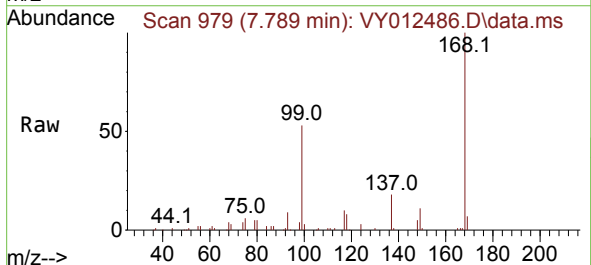


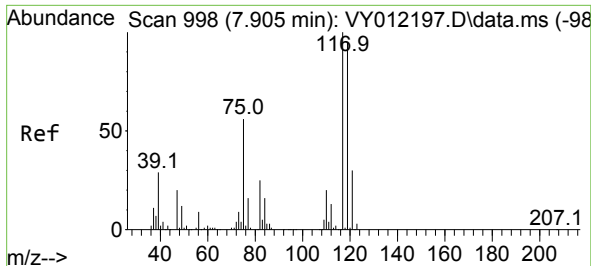
Tgt Ion:113 Resp: 31107
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 22.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.354 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012486.D
Acq: 03 Feb 2023 18:44

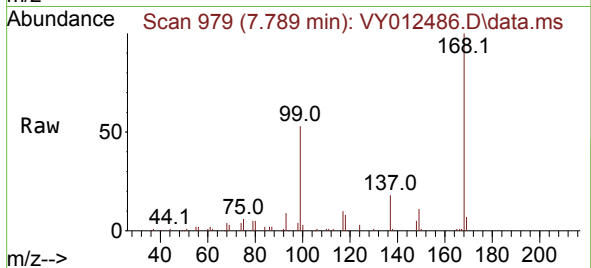
Tgt Ion: 75 Resp: 3867
Ion Ratio Lower Upper
75 100
110 12.3 18.1 54.1#
77 0.0 25.1 37.7#



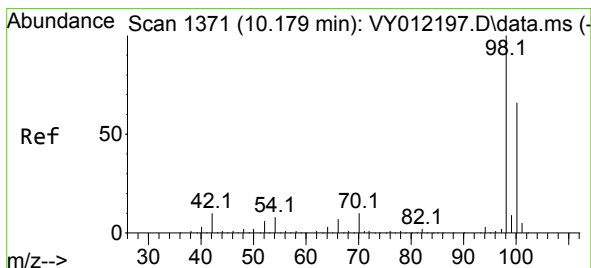
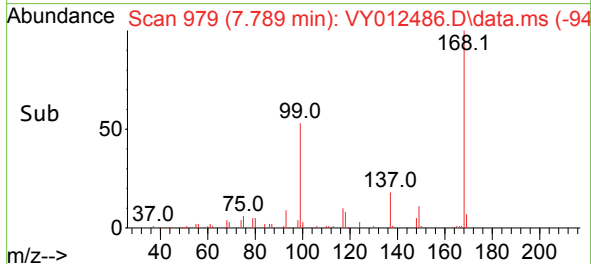
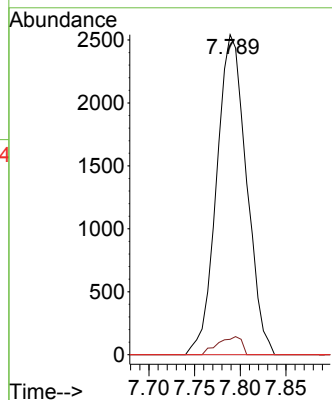


#38
Carbon Tetrachloride
Concen: 5.045 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012486.D
Acq: 03 Feb 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :

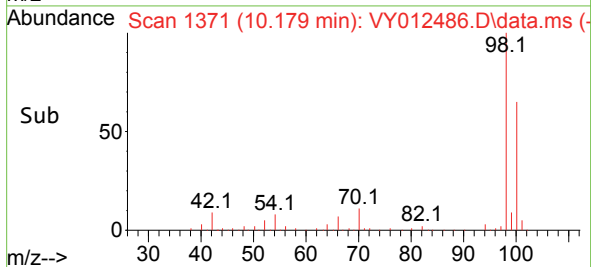
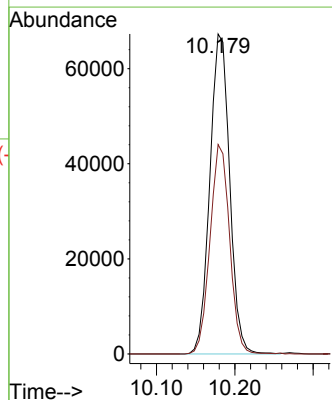
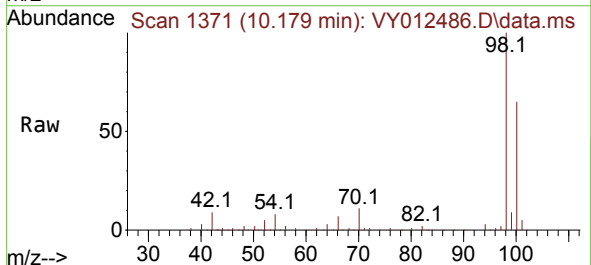


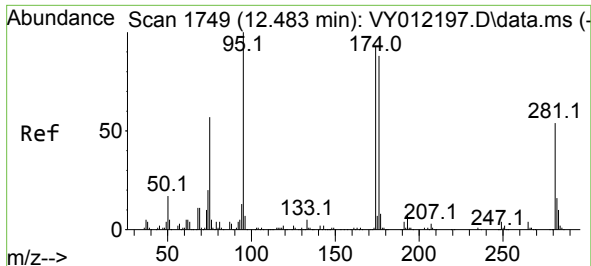
Tgt Ion:117 Resp: 5786
Ion Ratio Lower Upper
117 100
119 4.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 66.634 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012486.D
Acq: 03 Feb 2023 18:44

Tgt Ion: 98 Resp: 118031
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9

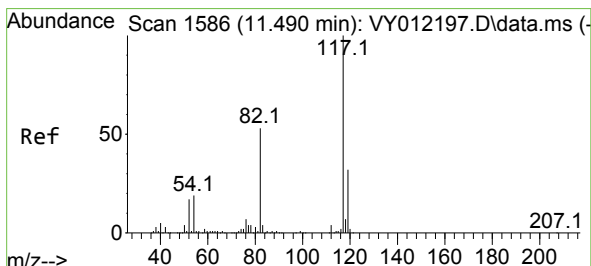
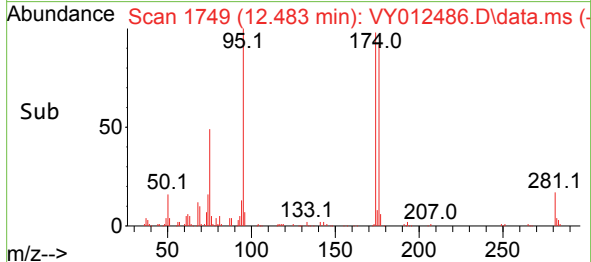
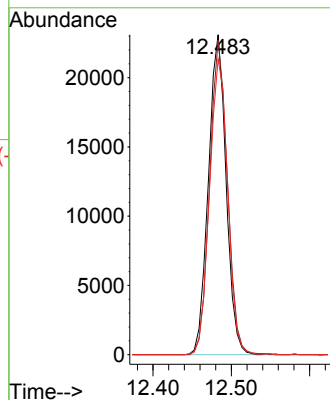
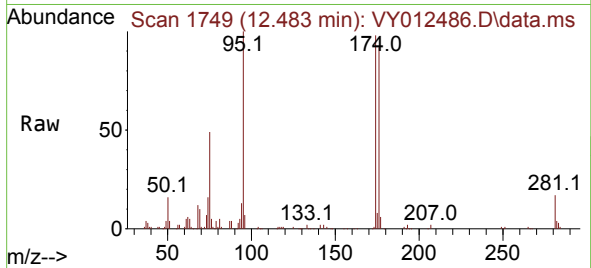




#62
4-Bromofluorobenzene
Concen: 49.281 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012486.D
Acq: 03 Feb 2023 18:44

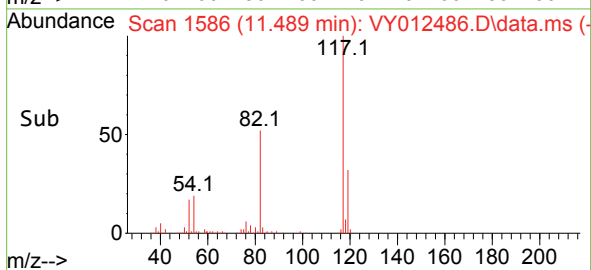
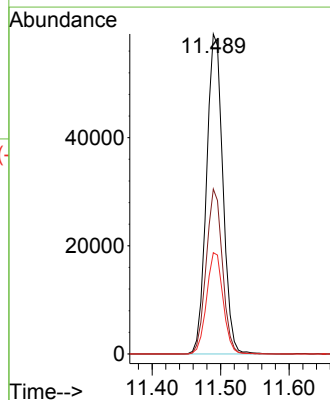
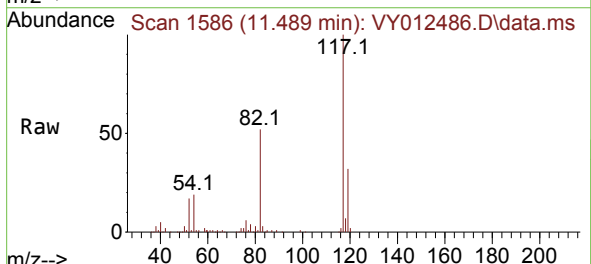
Instrument :
MSVOA_Y
ClientSampleId :

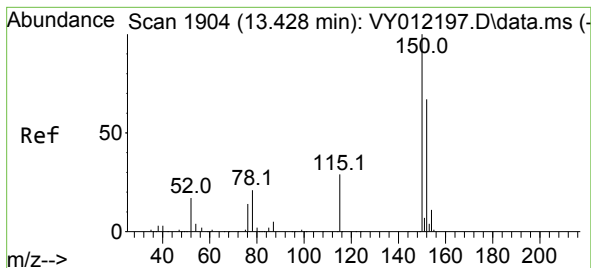
Tgt Ion: 95 Resp: 36301
Ion Ratio Lower Upper
95 100
174 97.9 0.0 172.0
176 95.0 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012486.D
Acq: 03 Feb 2023 18:44

Tgt Ion: 117 Resp: 98176
Ion Ratio Lower Upper
117 100
82 51.5 44.8 67.2
119 31.7 25.4 38.2

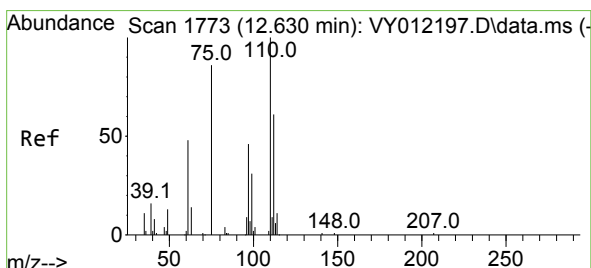
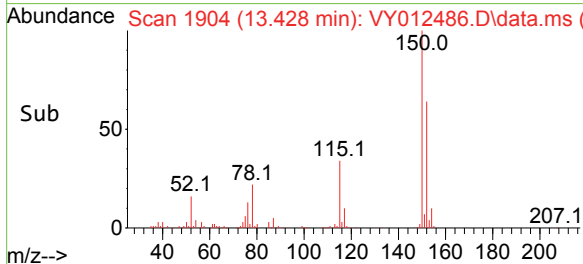
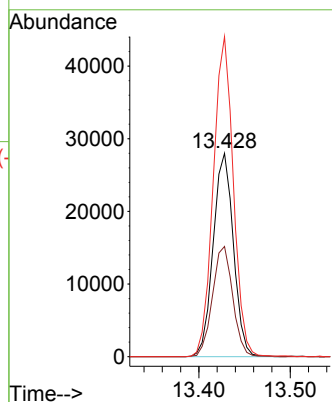
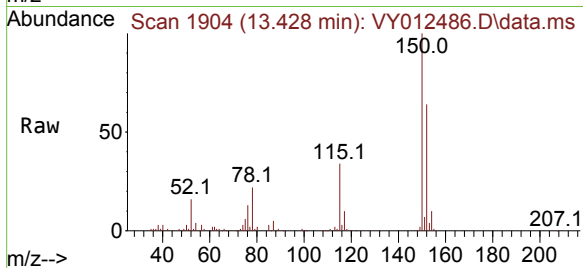




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.006 min
 Lab File: VY012486.D
 Acq: 03 Feb 2023 18:44

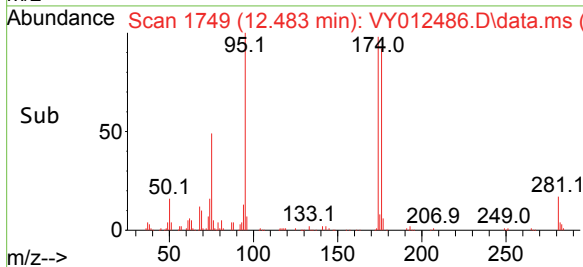
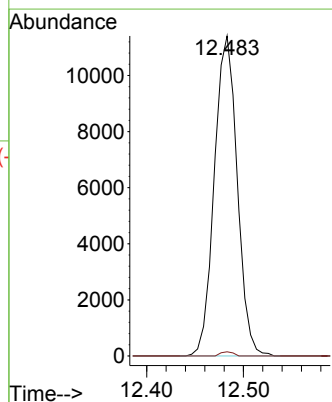
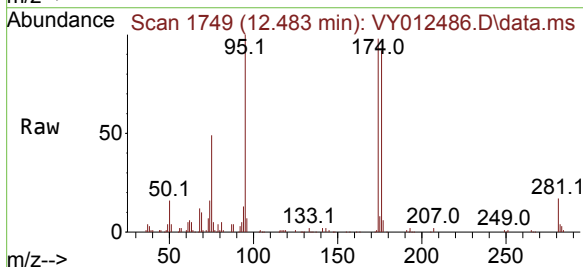
Instrument :
 MSVOA_Y
 ClientSampleId :

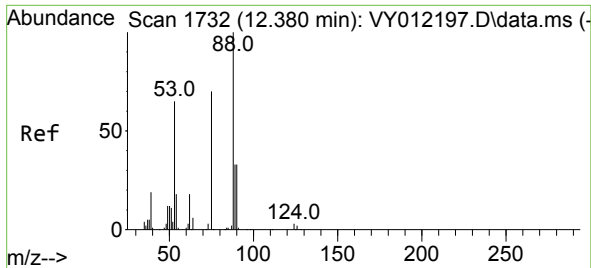
Tgt Ion:152 Resp: 43022
 Ion Ratio Lower Upper
 152 100
 115 54.5 29.1 87.3
 150 156.2 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 47.388 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY012486.D
 Acq: 03 Feb 2023 18:44

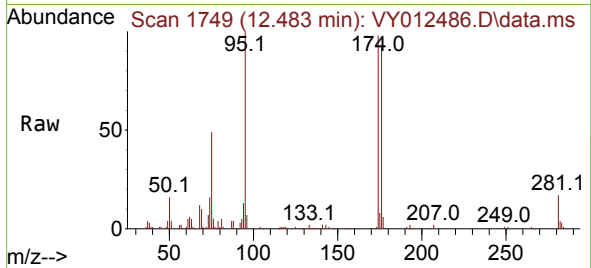
Tgt Ion: 75 Resp: 18747
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.641 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012486.D
 Acq: 03 Feb 2023 18:44

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.5	108.7#
89	0.0	37.0	55.4#

