

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021347.D
 Acq On : 27 Feb 2025 10:42
 Operator : SY/MD
 Sample : VY0227SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0227SBL01

Quant Time: Feb 28 00:40:00 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)

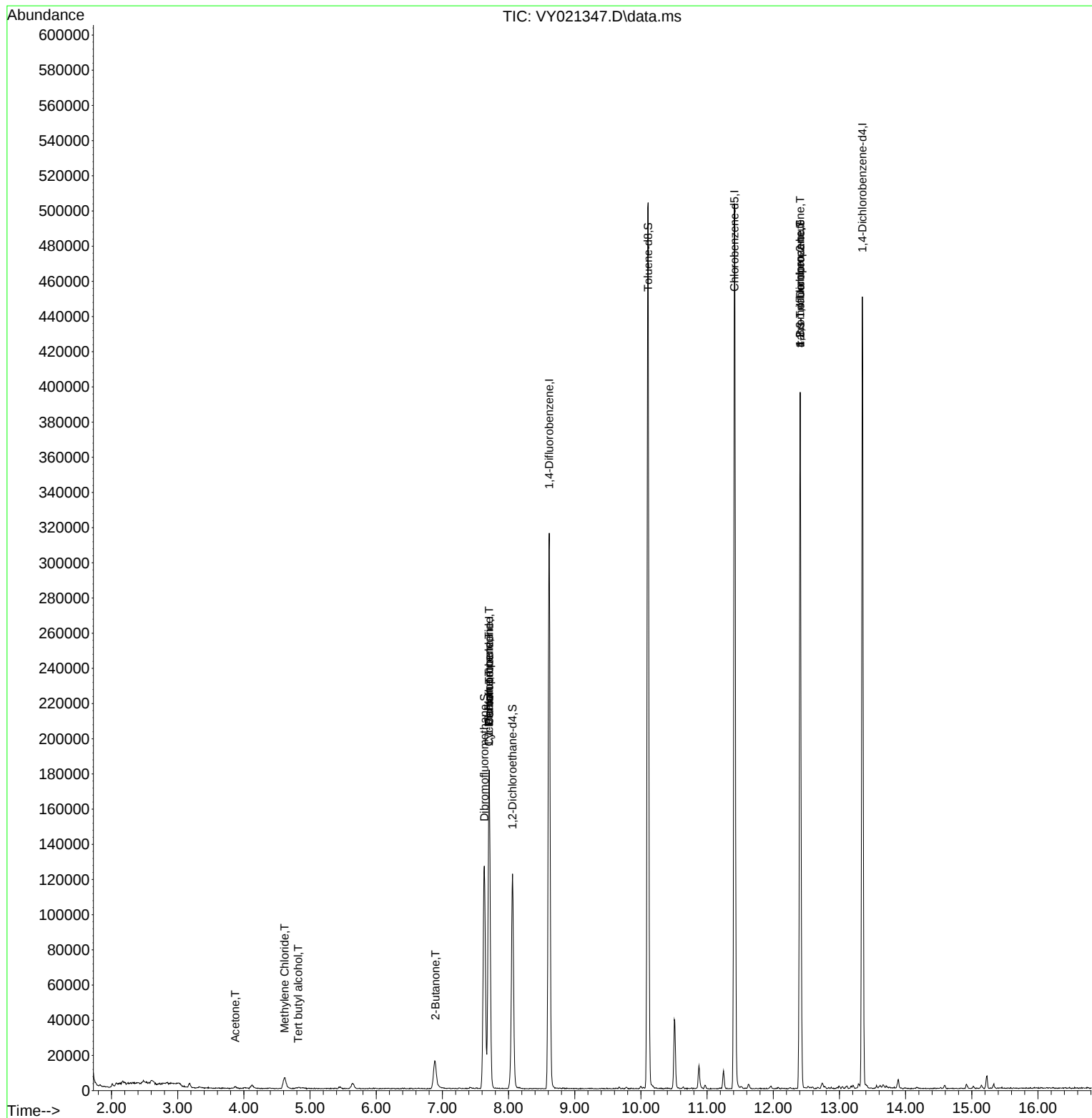
Internal Standards						
1) Pentafluorobenzene	7.707	168	140233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	264026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	255103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	107368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	94225	59.230	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.460%			
35) Dibromofluoromethane	7.634	113	90944	52.539	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.080%			
50) Toluene-d8	10.109	98	322284	48.176	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.360%			
62) 4-Bromofluorobenzene	12.407	95	111519	49.533	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.060%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.823	59	1167	9.537	ug/l #	72
16) Acetone	3.872	43	1562	5.119	ug/l #	85
20) Methylene Chloride	4.616	84	4539	2.751	ug/l	96
25) 2-Butanone	6.896	43	1399	3.038	ug/l #	86
31) Cyclohexane	7.701	56	3297	1.176	ug/l #	48
36) 1,1-Dichloropropene	7.701	75	11501	4.423	ug/l #	51
38) Carbon Tetrachloride	7.707	117	14405	4.928	ug/l #	15
76) 1,2,3-Trichloropropane	12.407	75	61274	57.015	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	61274	126.724	ug/l #	10

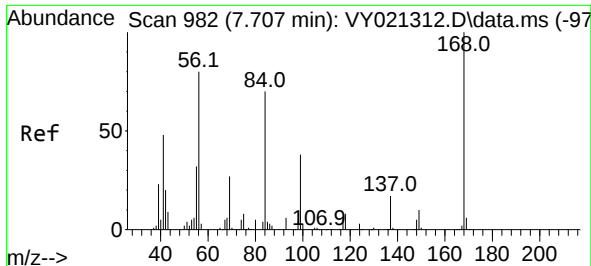
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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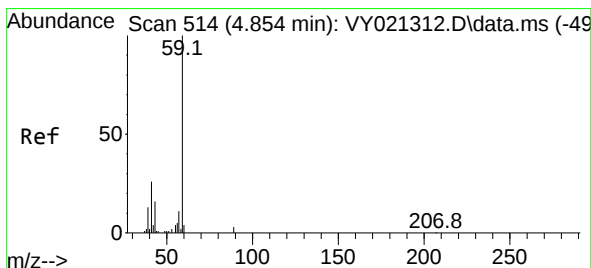
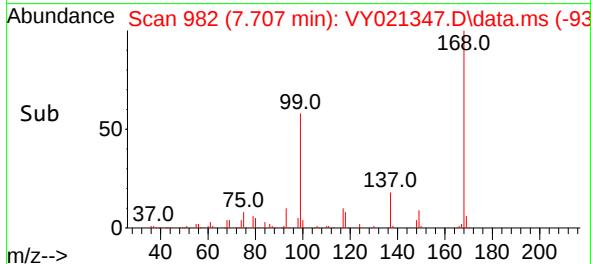
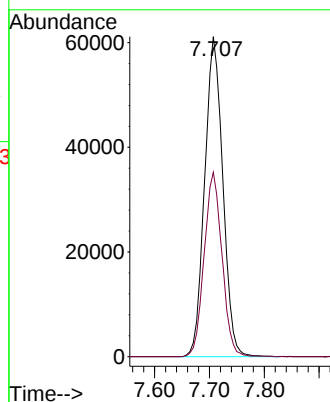
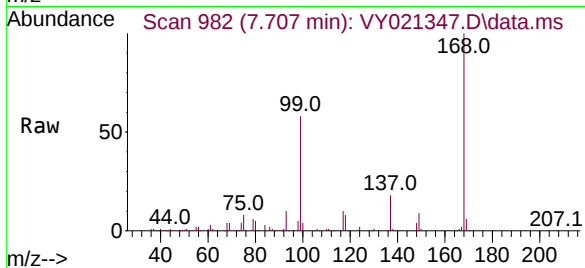




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

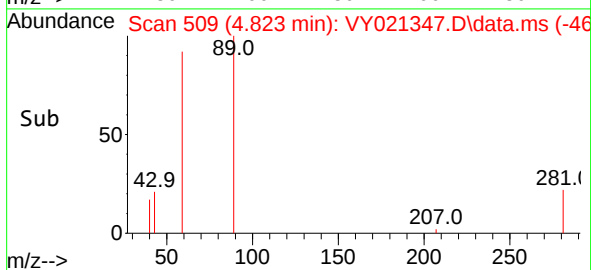
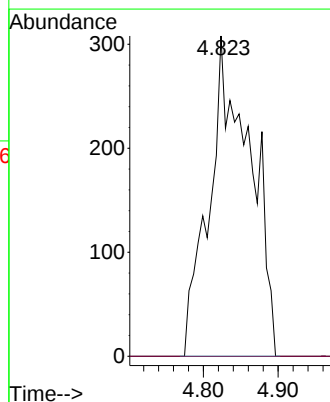
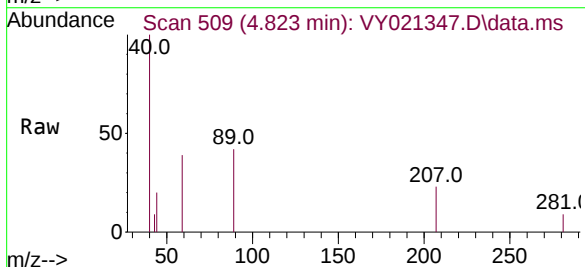
Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBL01

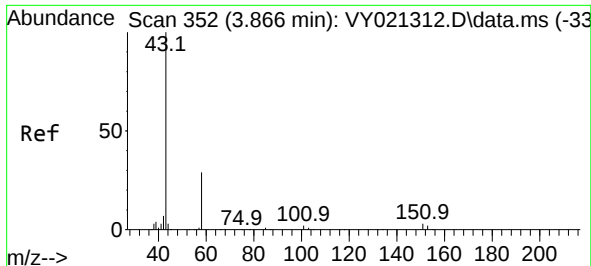
Tgt Ion:168 Resp: 140233
Ion Ratio Lower Upper
168 100
99 57.6 47.1 70.7



#11
Tert butyl alcohol
Concen: 9.537 ug/l
RT: 4.823 min Scan# 509
Delta R.T. -0.031 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

Tgt Ion: 59 Resp: 1167
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

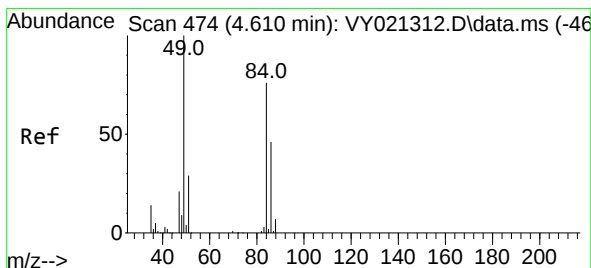
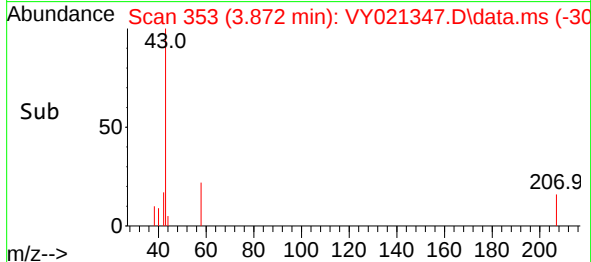
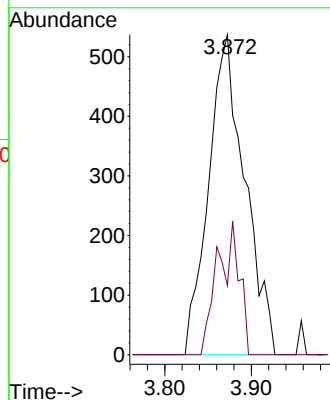
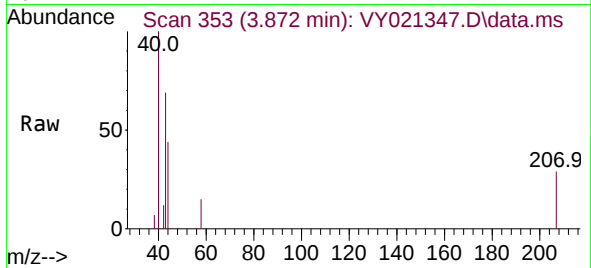




#16
Acetone
Concen: 5.119 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

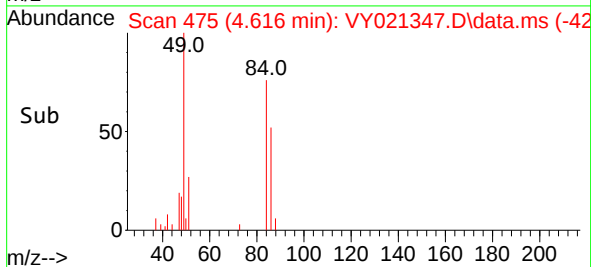
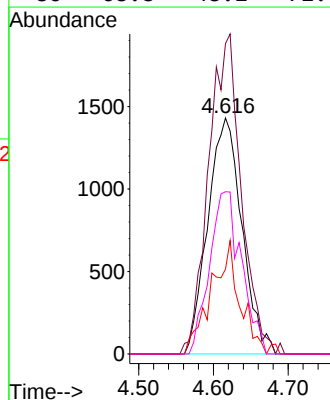
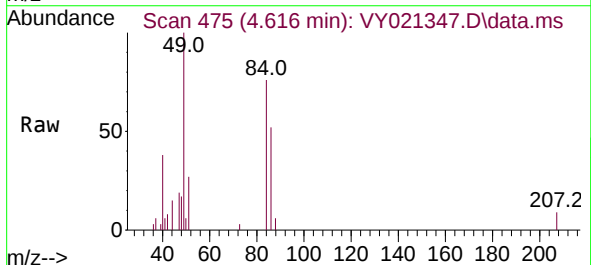
Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBL01

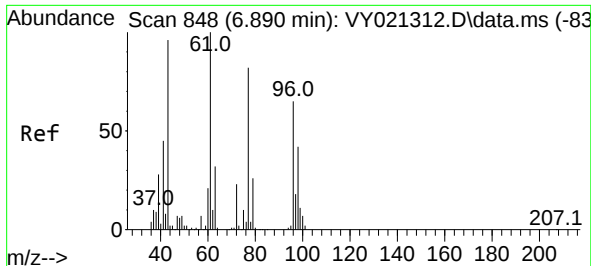
Tgt Ion: 43 Resp: 1562
Ion Ratio Lower Upper
43 100
58 21.6 23.5 35.3#



#20
Methylene Chloride
Concen: 2.751 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

Tgt Ion: 84 Resp: 4539
Ion Ratio Lower Upper
84 100
49 131.5 105.1 157.7
51 35.9 31.0 46.4
86 68.8 48.2 72.4





#25

2-Butanone

Concen: 3.038 ug/l

RT: 6.896 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY021347.D

Acq: 27 Feb 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

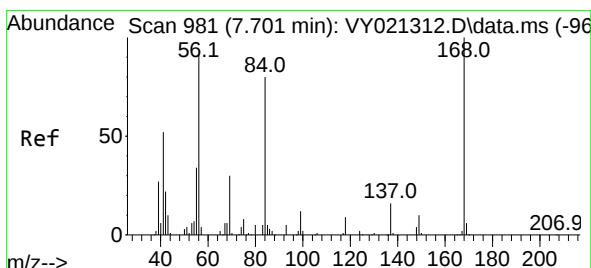
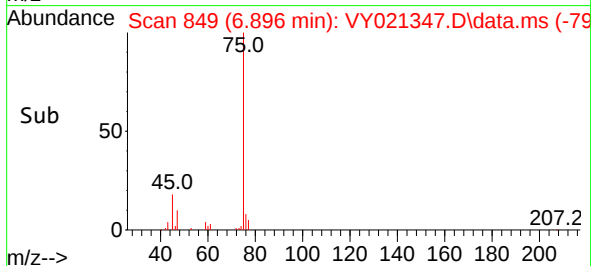
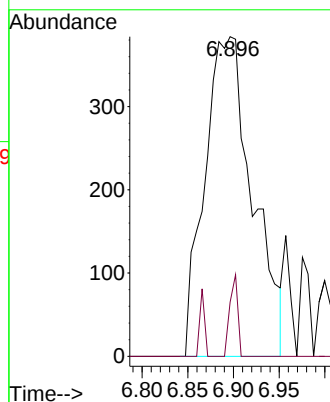
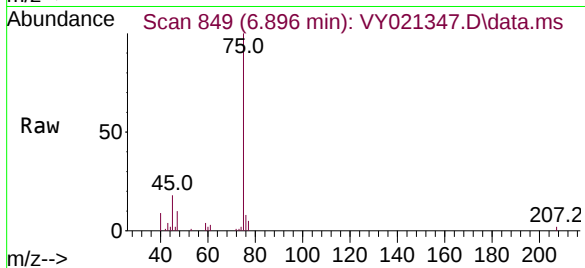
VY0227SBL01

Tgt Ion: 43 Resp: 1399

Ion Ratio Lower Upper

43 100

72 16.9 19.0 28.6#



#31

Cyclohexane

Concen: 1.176 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY021347.D

Acq: 27 Feb 2025 10:42

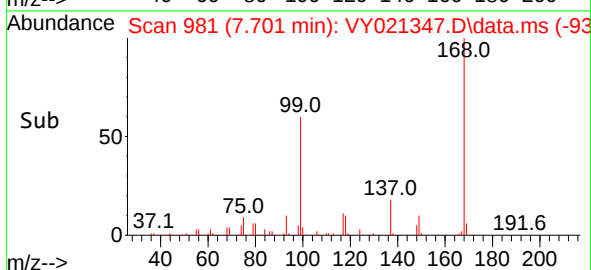
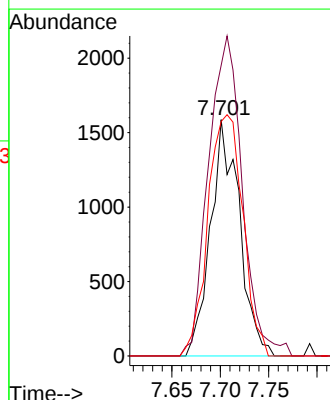
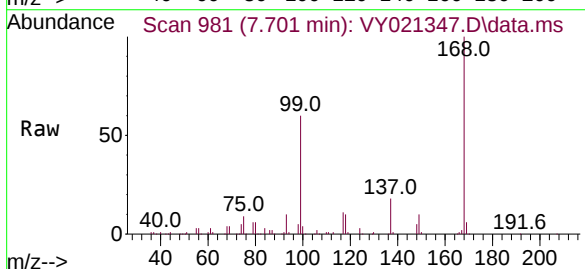
Tgt Ion: 56 Resp: 3297

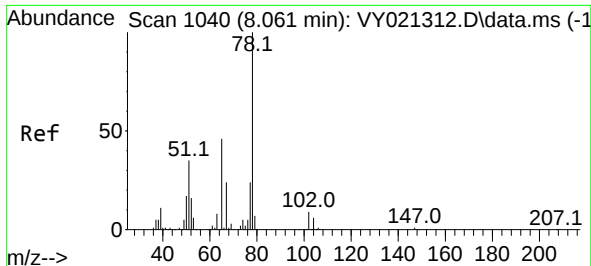
Ion Ratio Lower Upper

56 100

69 122.9 26.2 39.4#

84 99.2 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 59.230 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY021347.D

Acq: 27 Feb 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

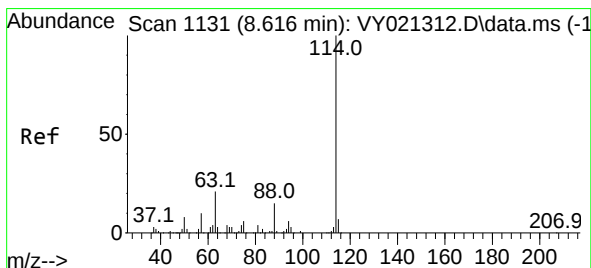
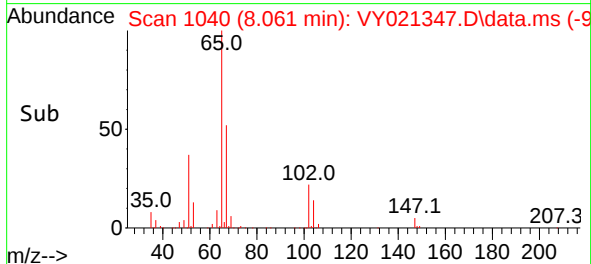
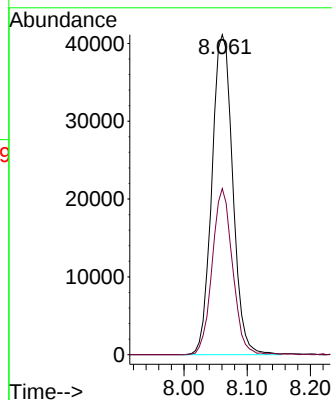
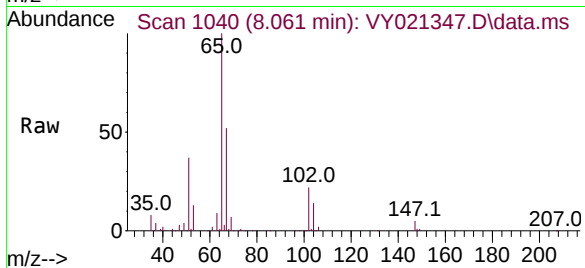
VY0227SBL01

Tgt Ion: 65 Resp: 94225

Ion Ratio Lower Upper

65 100

67 50.4 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: VY021347.D

Acq: 27 Feb 2025 10:42

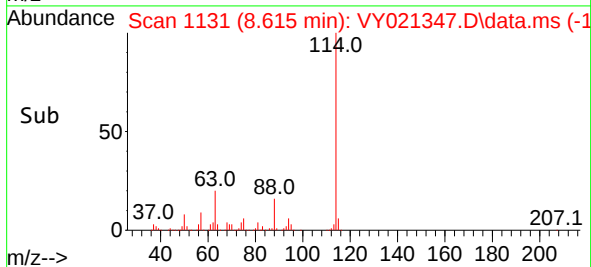
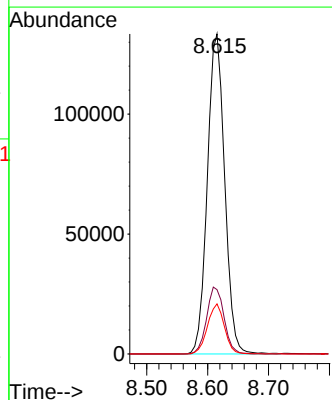
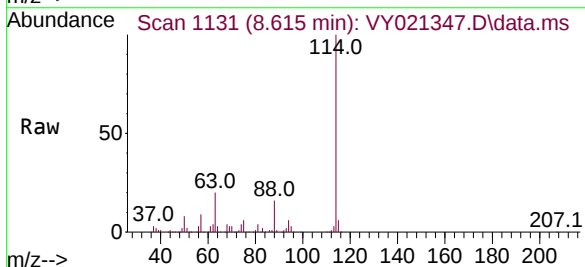
Tgt Ion: 114 Resp: 264026

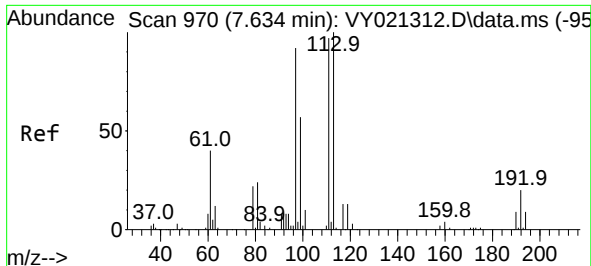
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.2

88 15.7 0.0 29.8

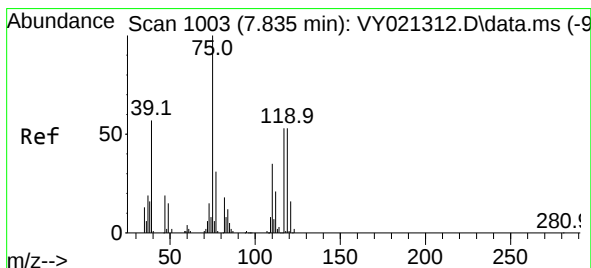
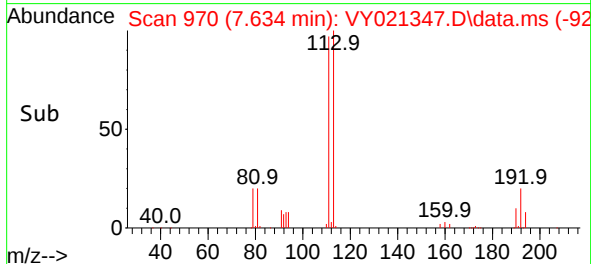
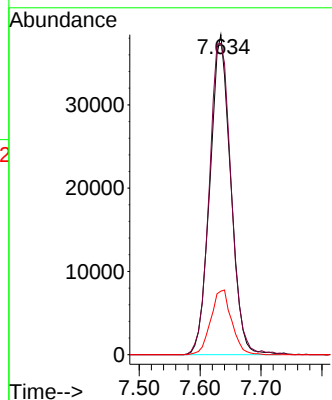
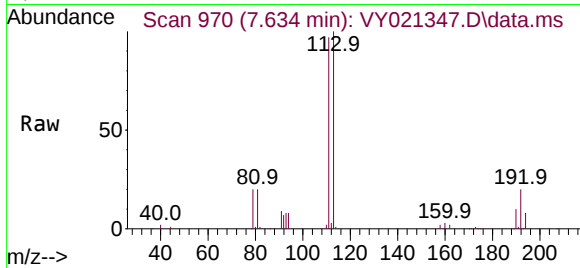




#35
Dibromofluoromethane
Concen: 52.539 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

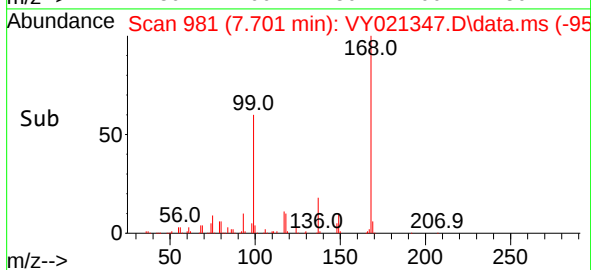
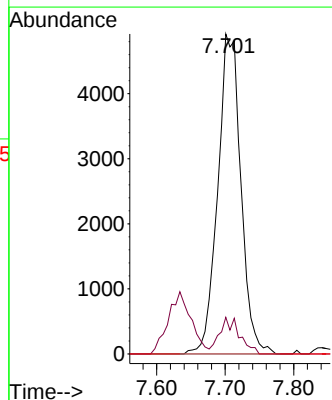
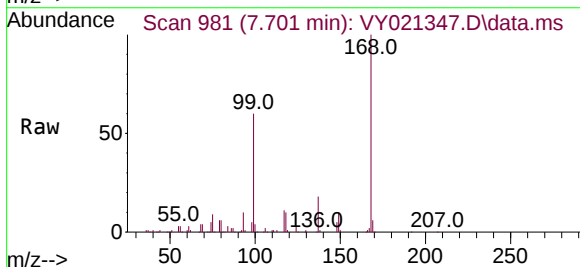
Instrument :
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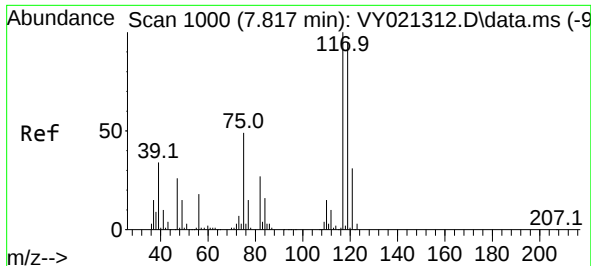
Tgt Ion:113 Resp: 90944
Ion Ratio Lower Upper
113 100
111 103.0 81.0 121.6
192 20.3 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.423 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

Tgt Ion: 75 Resp: 11501
Ion Ratio Lower Upper
75 100
110 9.8 16.9 50.7#
77 0.0 24.6 36.8#

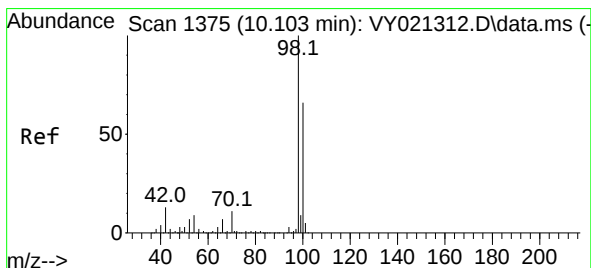
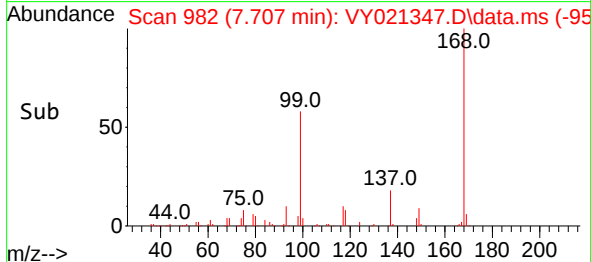
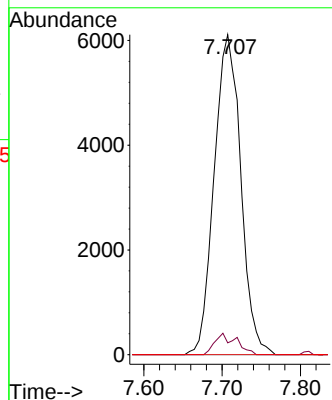
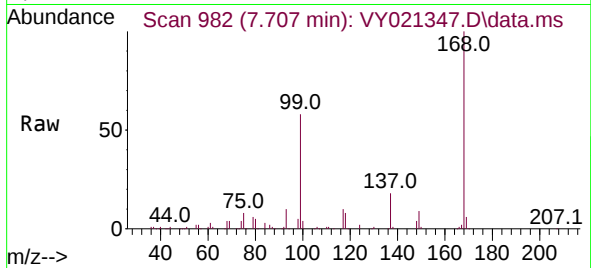




#38
Carbon Tetrachloride
Concen: 4.928 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

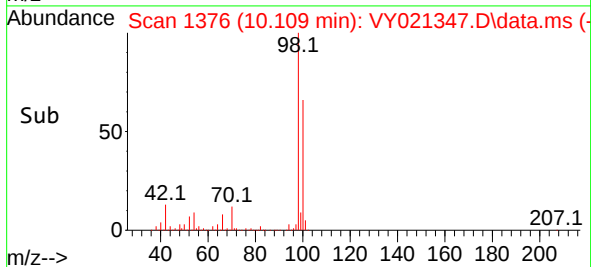
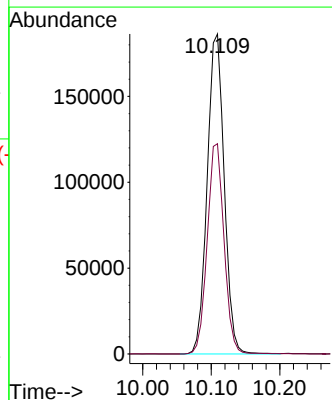
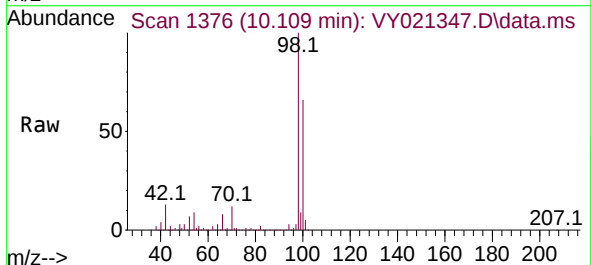
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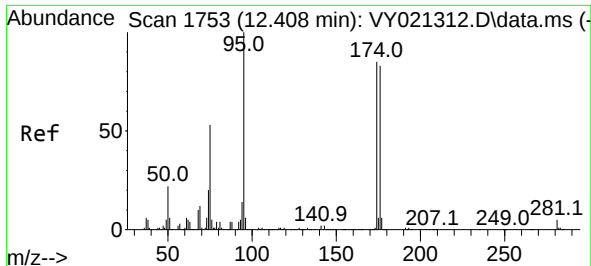
Tgt Ion:117 Resp: 14405
Ion Ratio Lower Upper
117 100
119 3.7 76.0 114.0#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 48.176 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

Tgt Ion: 98 Resp: 322284
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6

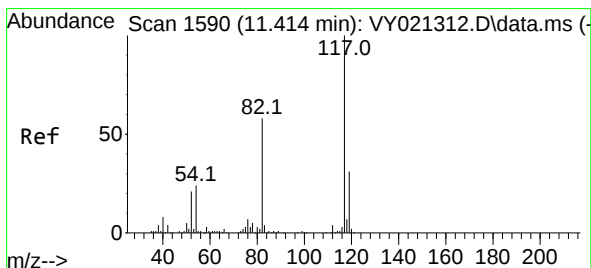
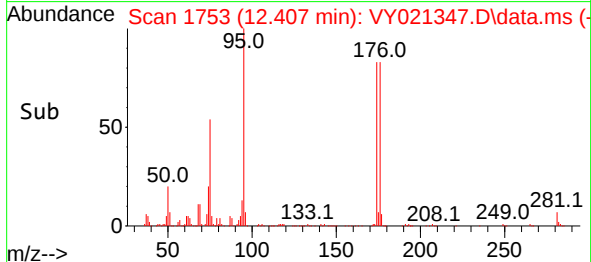
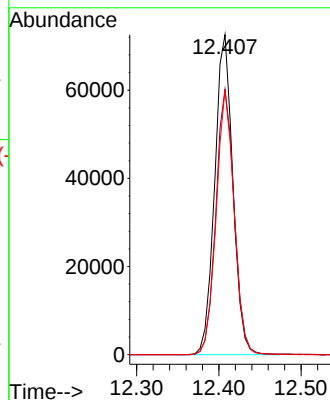
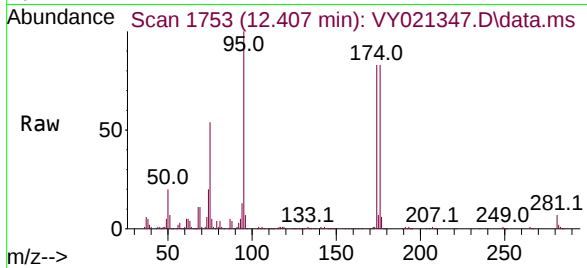




#62
4-Bromofluorobenzene
Concen: 49.533 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

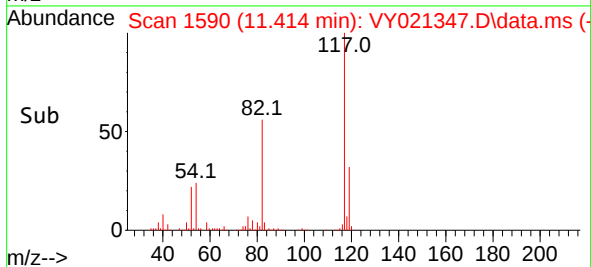
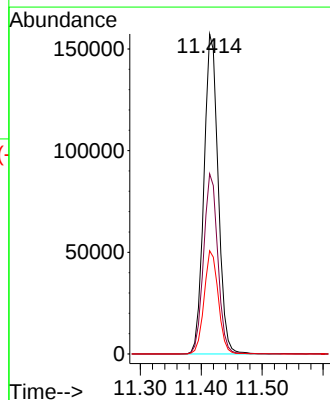
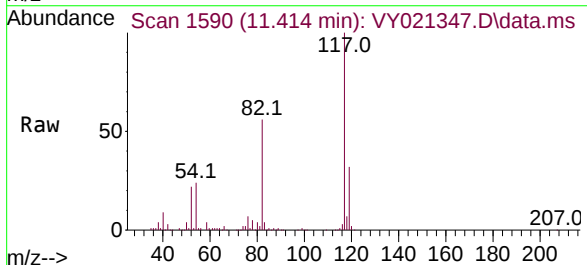
Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBL01

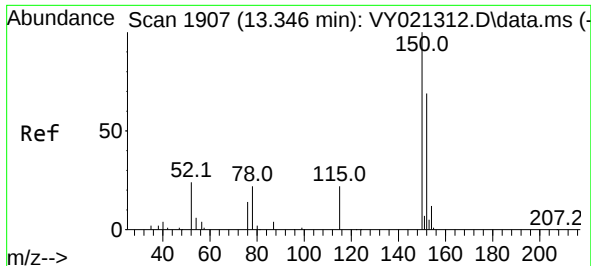
Tgt Ion: 95 Resp: 111519
Ion Ratio Lower Upper
95 100
174 83.8 0.0 168.0
176 81.7 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

Tgt Ion:117 Resp: 255103
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 32.3 24.9 37.3

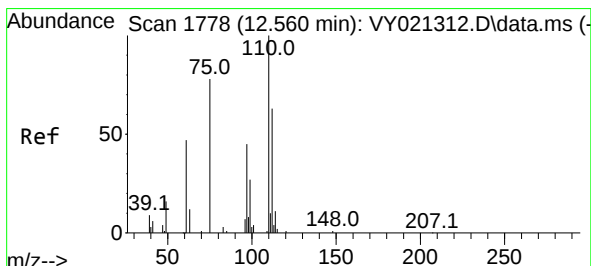
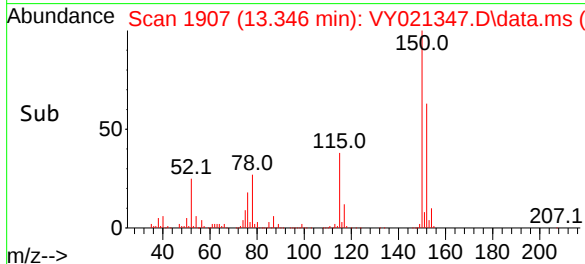
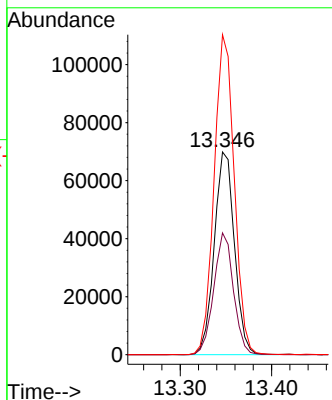
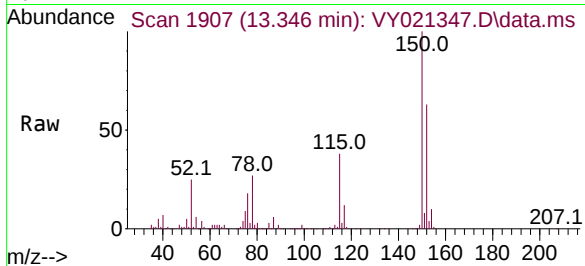




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

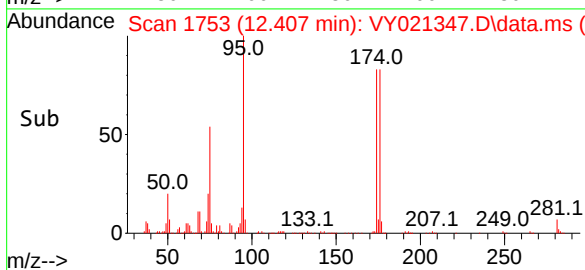
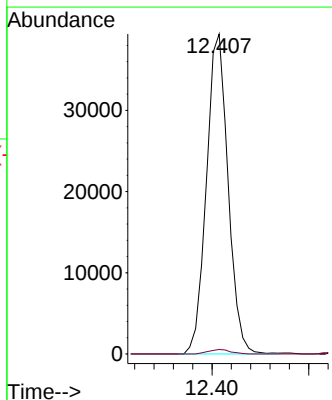
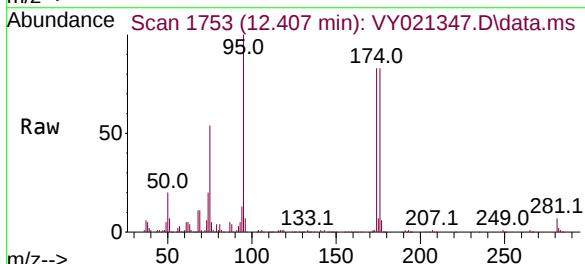
Instrument :
MSVOA_Y
ClientSampleId :
VY0227SBL01

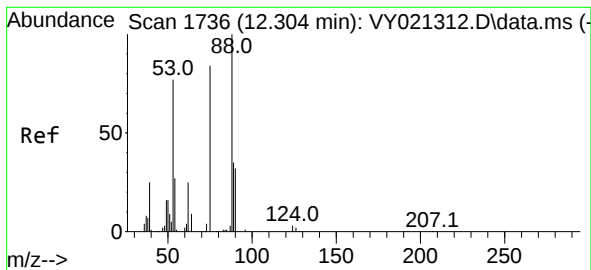
Tgt Ion:152 Resp: 107368
Ion Ratio Lower Upper
152 100
115 58.5 29.3 88.0
150 157.4 0.0 347.4



#76
1,2,3-Trichloropropane
Concen: 57.015 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY021347.D
Acq: 27 Feb 2025 10:42

Tgt Ion: 75 Resp: 61274
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.724 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021347.D
 Acq: 27 Feb 2025 10:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0227SBL01

Tgt Ion: 75 Resp: 61274
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.1 118.7#
 89 0.1 35.6 53.4#

