

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102521\
 Data File : VY006469.D
 Acq On : 25 Oct 2021 16:14
 Operator : SY/MD
 Sample : M4313-03RE
 Misc : 5.09G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 26 02:45:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

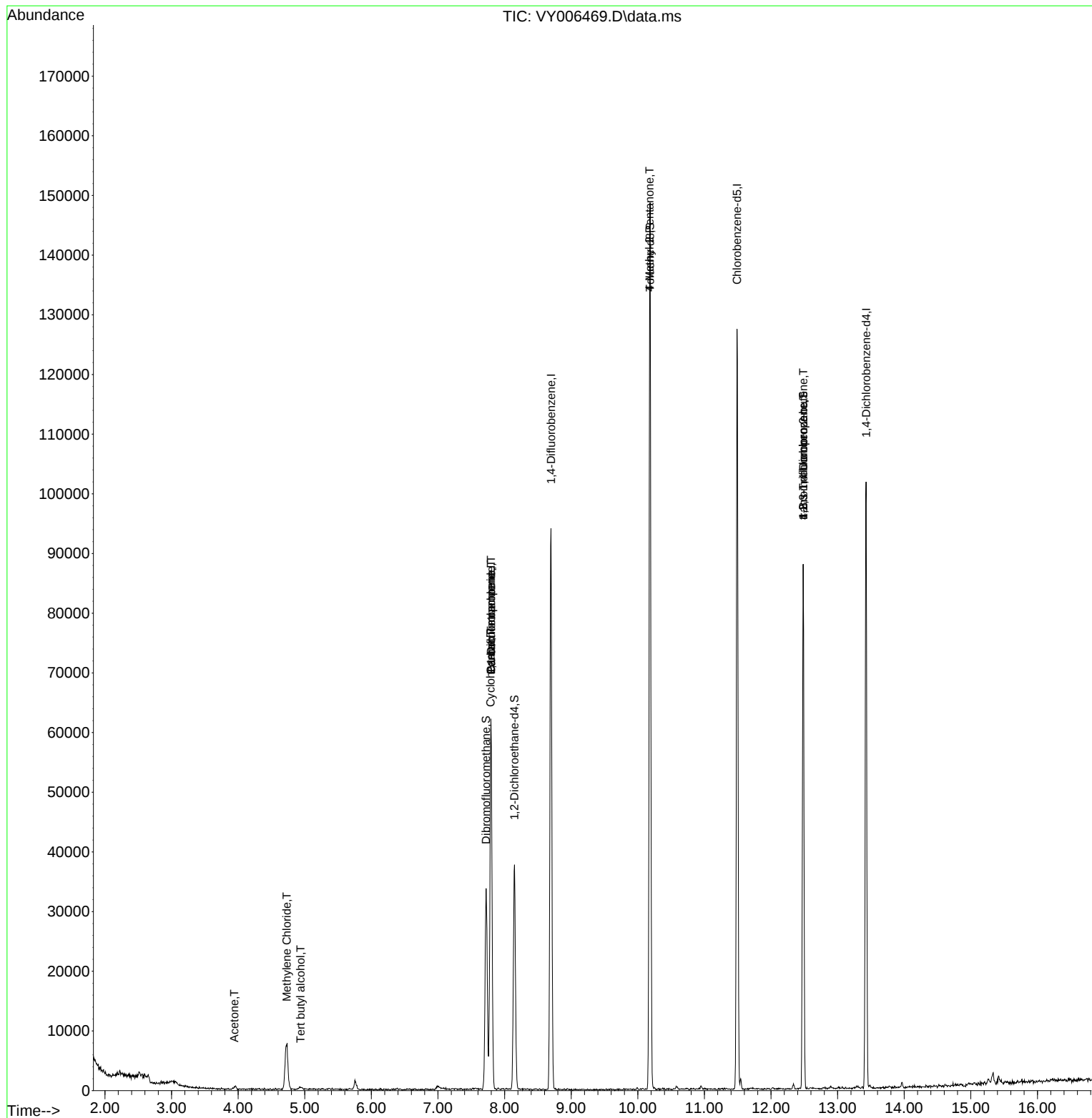
Internal Standards						
1) Pentafluorobenzene	7.795	168	46640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	74375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	64619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	24981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	30643	53.391	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.780%			
35) Dibromofluoromethane	7.722	113	21879	52.778	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.560%			
50) Toluene-d8	10.185	98	94063	53.526	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.060%			
62) 4-Bromofluorobenzene	12.483	95	24325	41.092	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.180%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.935	59	364	6.981	ug/l #	72
16) Acetone	3.942	43	432	2.614	ug/l #	87
20) Methylene Chloride	4.728	84	5436	7.143	ug/l	89
31) Cyclohexane	7.789	56	1186	1.276	ug/l #	44
36) 1,1-Dichloropropene	7.795	75	3916	5.329	ug/l #	49
38) Carbon Tetrachloride	7.795	117	4547	5.609	ug/l #	15
51) 4-Methyl-2-Pentanone	10.178	43	481	1.017	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	14486	56.273	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	14486	115.527	ug/l #	7

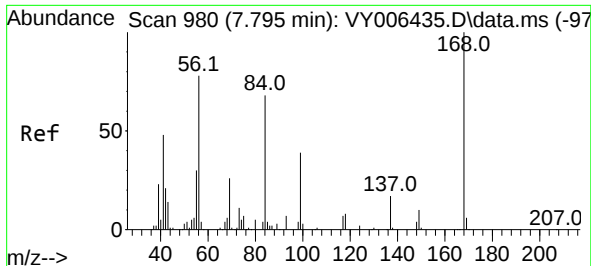
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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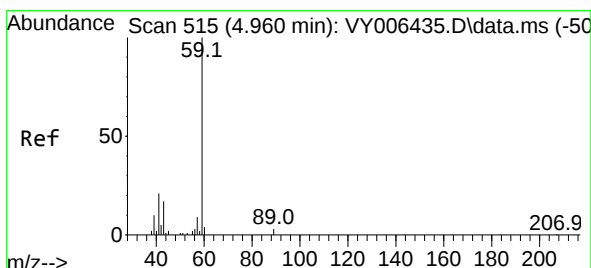
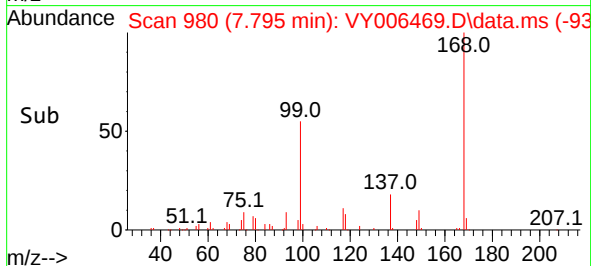
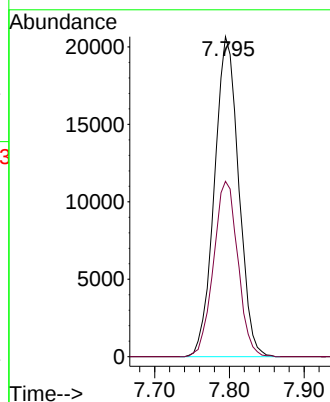
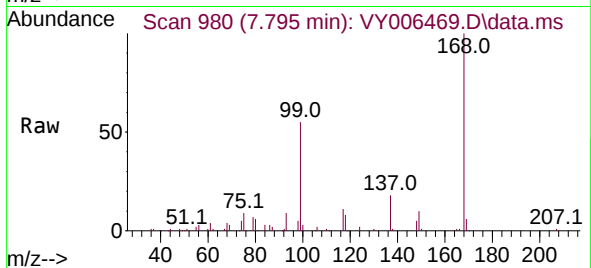




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006469.D
Acq: 25 Oct 2021 16:14

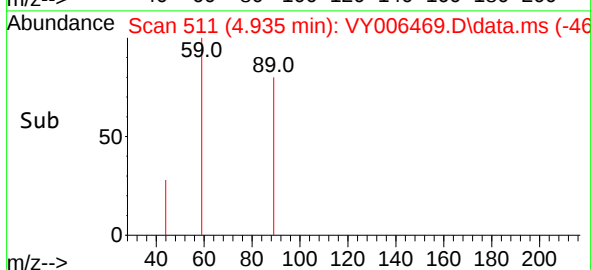
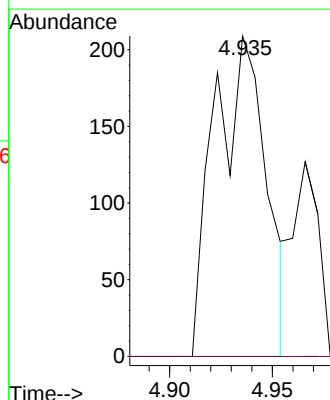
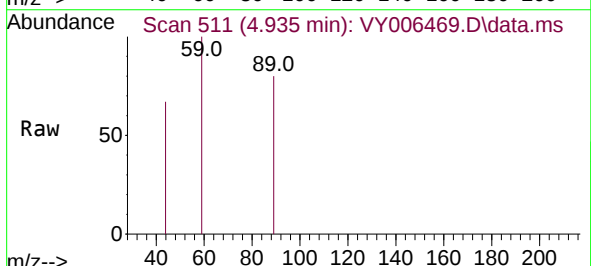
Instrument :
MSVOA_Y
ClientSampled :

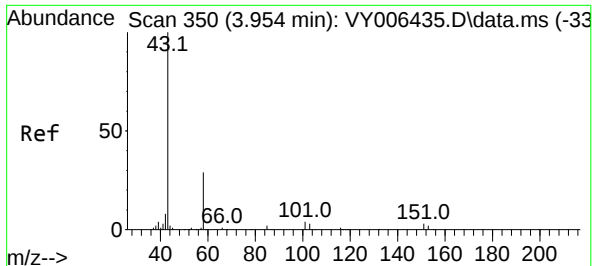
Tgt Ion:168 Resp: 46640
Ion Ratio Lower Upper
168 100
99 54.8 44.8 67.2



#11
Tert butyl alcohol
Concen: 6.981 ug/l
RT: 4.935 min Scan# 511
Delta R.T. -0.025 min
Lab File: VY006469.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 59 Resp: 364
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

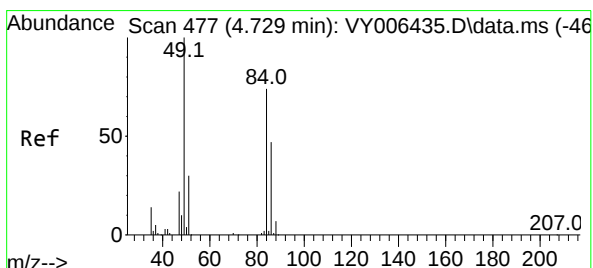
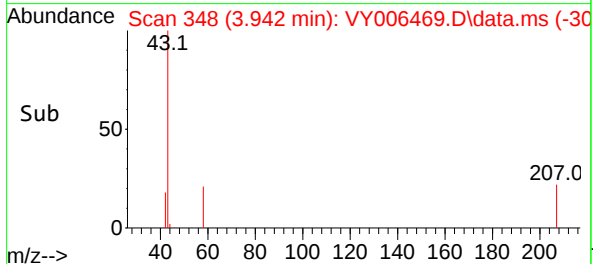
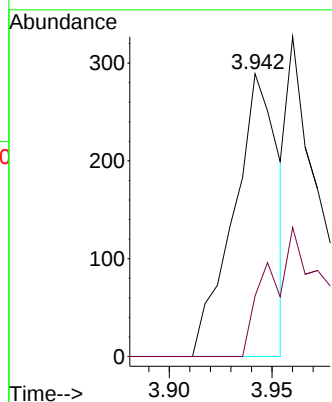
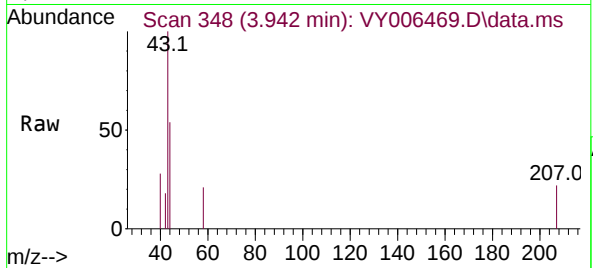




#16
Acetone
Concen: 2.614 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.013 min
Lab File: VY006469.D
Acq: 25 Oct 2021 16:14

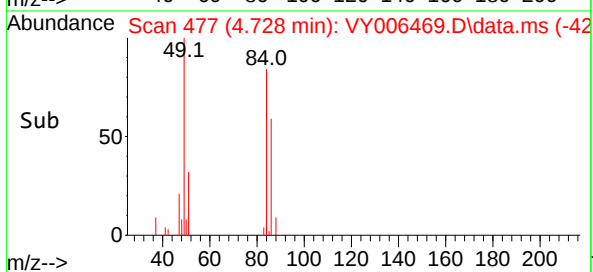
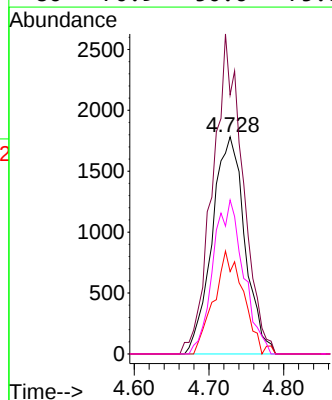
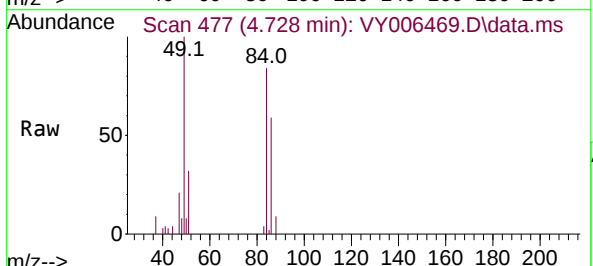
Instrument :
MSVOA_Y
ClientSampleId :

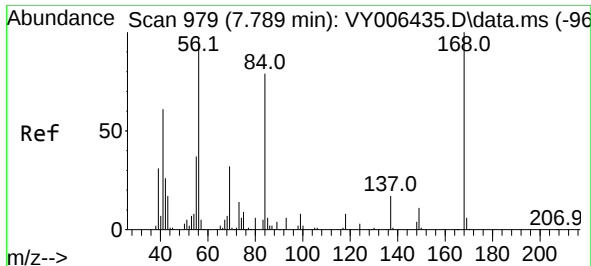
Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
58 21.5 22.9 34.3#



#20
Methylene Chloride
Concen: 7.143 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY006469.D
Acq: 25 Oct 2021 16:14

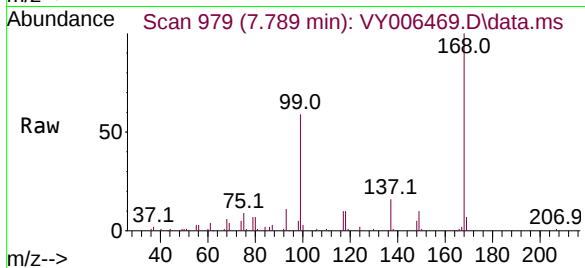
Tgt Ion: 84 Resp: 5436
Ion Ratio Lower Upper
84 100
49 119.3 107.8 161.8
51 38.0 32.8 49.2
86 70.9 50.6 75.8



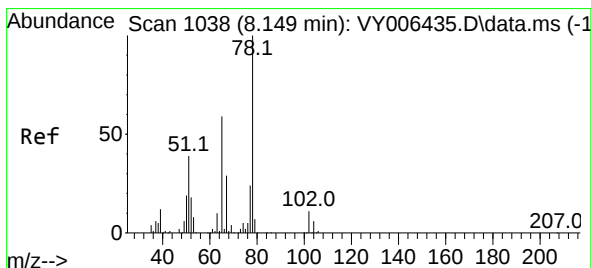
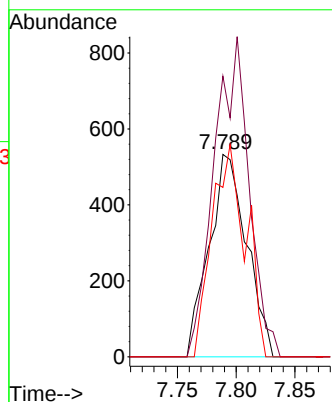
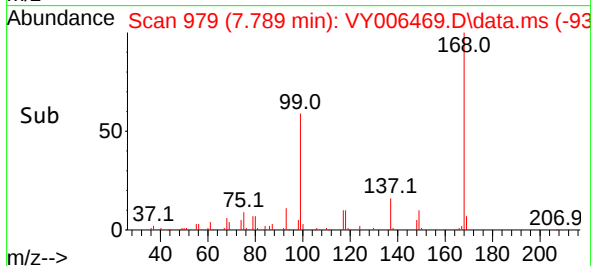


#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY006469.D
Acq: 25 Oct 2021 16:14

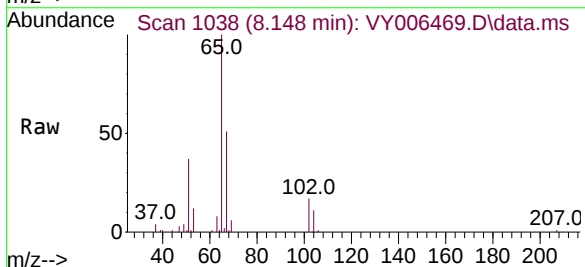
Instrument :
MSVOA_Y
ClientSampleId :



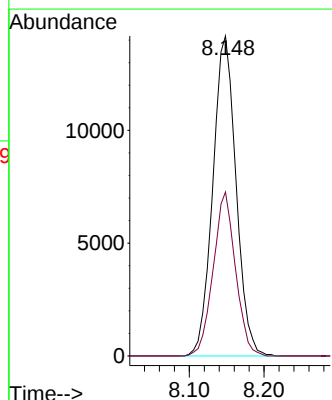
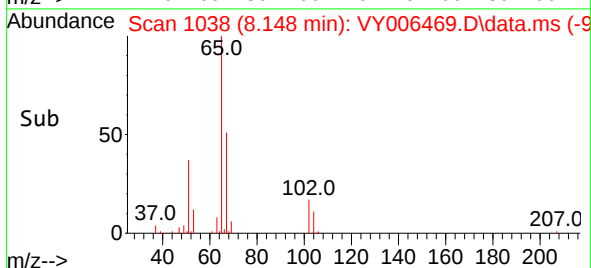
Tgt Ion: 56 Resp: 1186
Ion Ratio Lower Upper
56 100
69 138.6 26.6 40.0#
84 83.7 65.0 97.4

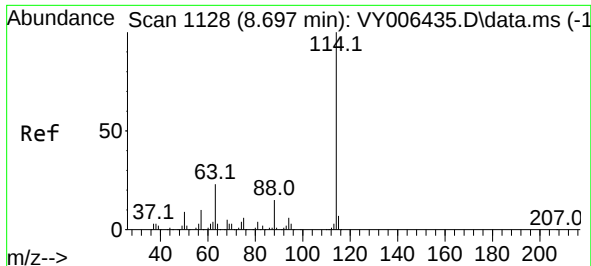


#33
1,2-Dichloroethane-d4
Concen: 53.391 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY006469.D
Acq: 25 Oct 2021 16:14



Tgt Ion: 65 Resp: 30643
Ion Ratio Lower Upper
65 100
67 49.1 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY006469.D

Acq: 25 Oct 2021 16:14

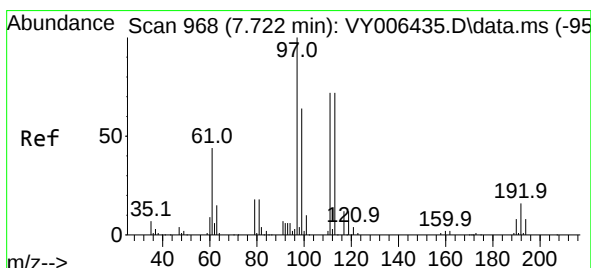
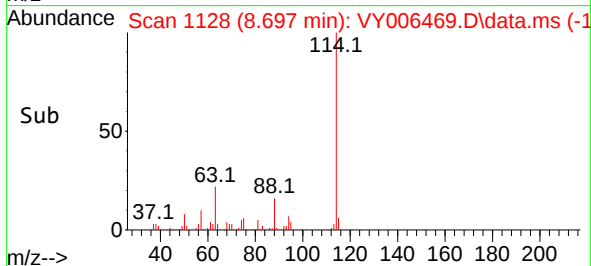
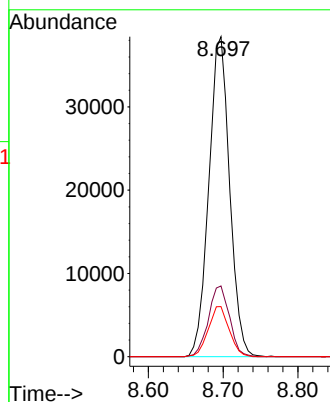
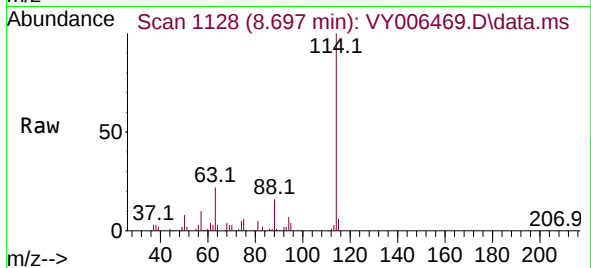
Tgt Ion:114 Resp: 74375

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.778 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY006469.D

Acq: 25 Oct 2021 16:14

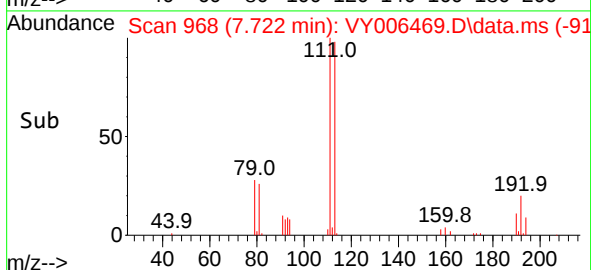
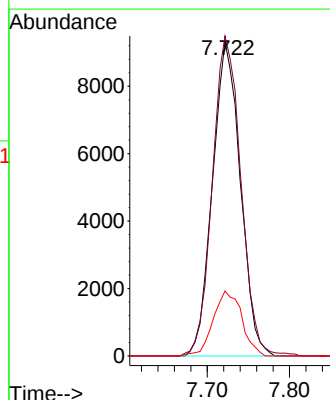
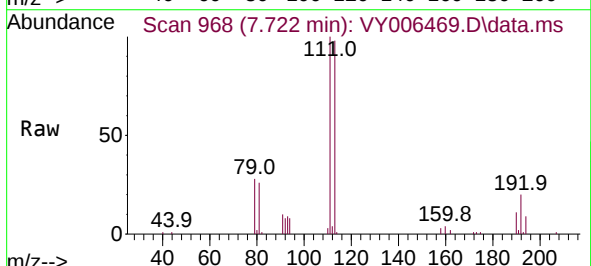
Tgt Ion:113 Resp: 21879

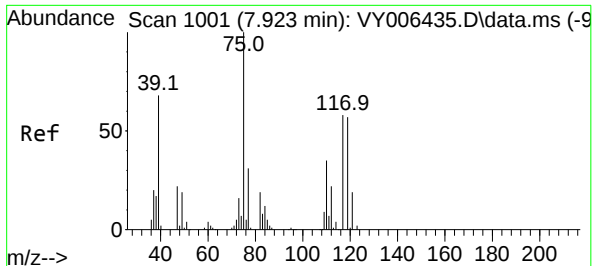
Ion Ratio Lower Upper

113 100

111 104.2 82.3 123.5

192 21.2 17.4 26.2





#36

1,1-Dichloropropene

Concen: 5.329 ug/l

RT: 7.795 min Scan# 980

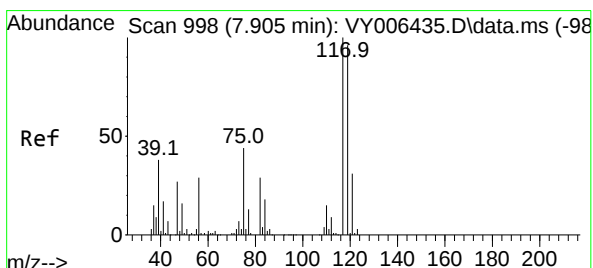
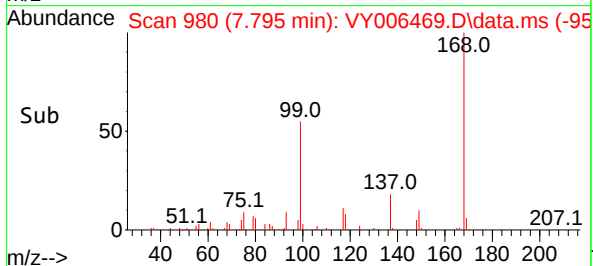
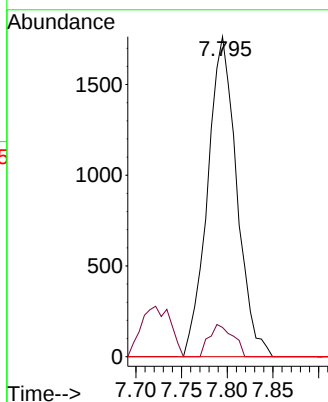
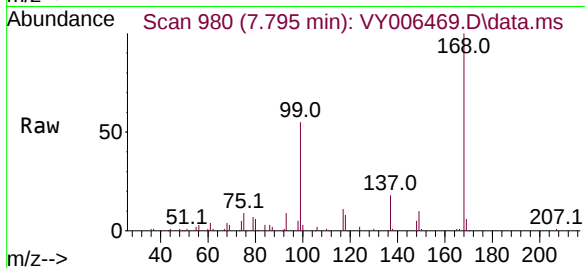
Delta R.T. -0.128 min

Lab File: VY006469.D

Acq: 25 Oct 2021 16:14

Tgt Ion:	75	Resp:	3916
Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.1	51.3#
77	0.0	24.9	37.3#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.609 ug/l

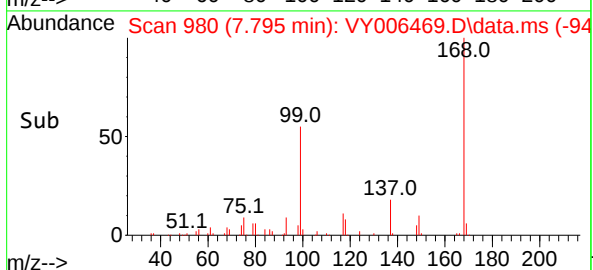
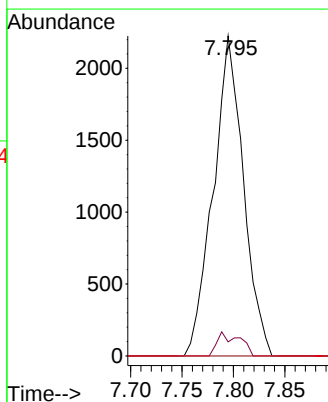
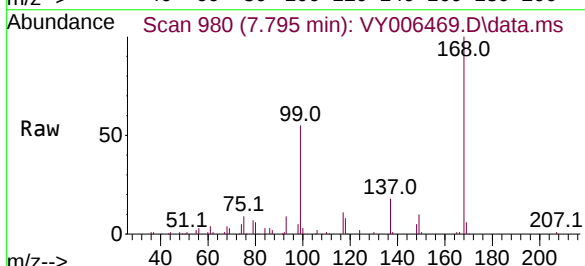
RT: 7.795 min Scan# 980

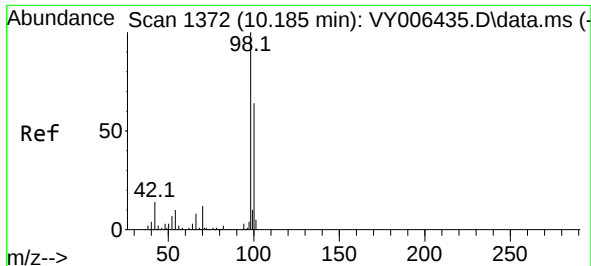
Delta R.T. -0.110 min

Lab File: VY006469.D

Acq: 25 Oct 2021 16:14

Tgt Ion:	117	Resp:	4547
Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.6	115.0#
121	0.0	24.7	37.1#

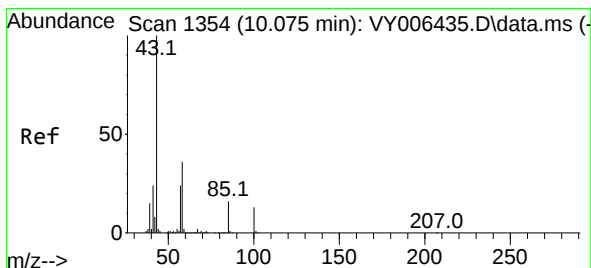
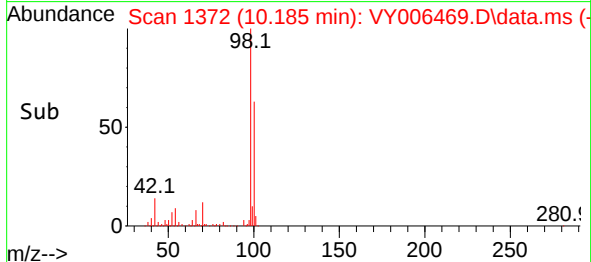
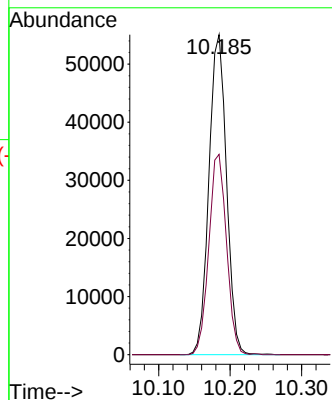
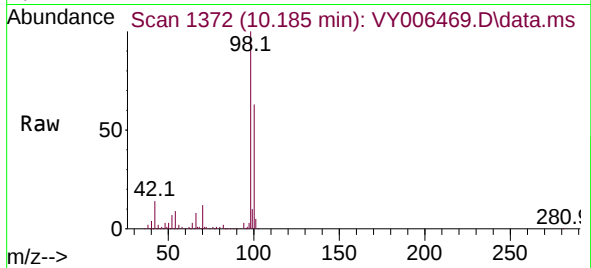




#50
Toluene-d8
Concen: 53.526 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006469.D
Acq: 25 Oct 2021 16:14

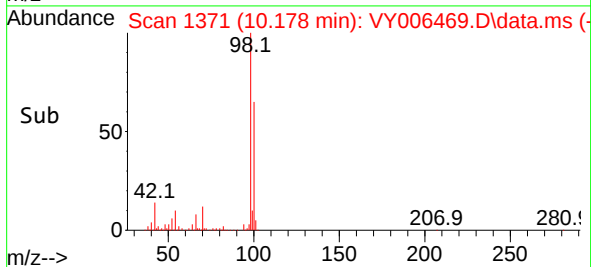
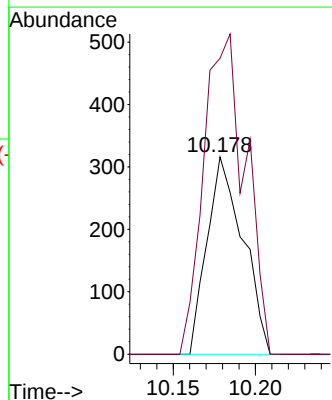
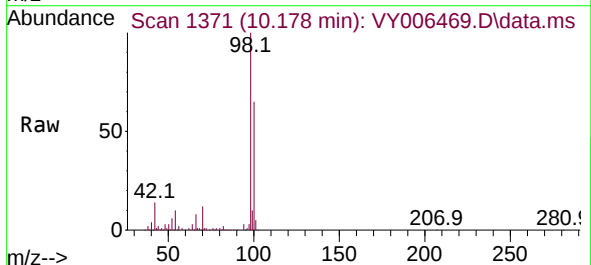
Instrument :
MSVOA_Y
ClientSampled :

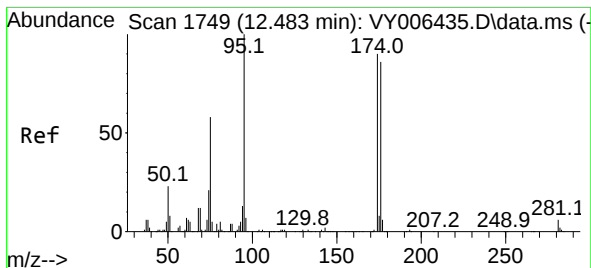
Tgt Ion: 98 Resp: 94063
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.017 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.103 min
Lab File: VY006469.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 43 Resp: 481
Ion Ratio Lower Upper
43 100
58 188.4 28.7 43.1#

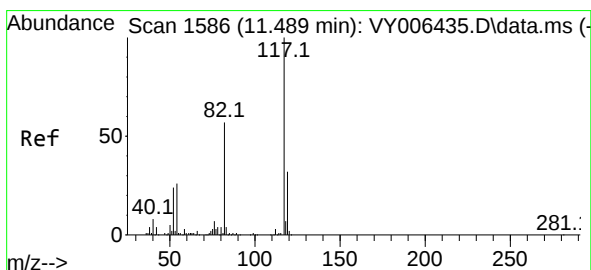
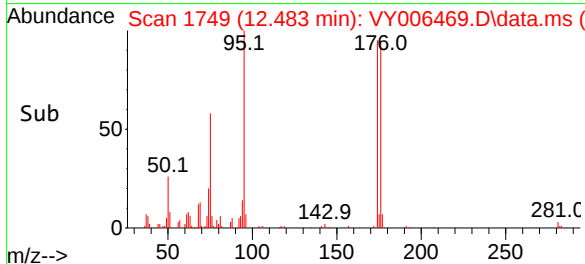
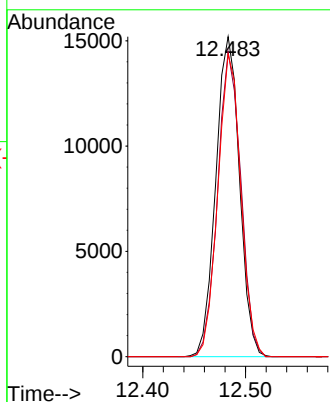
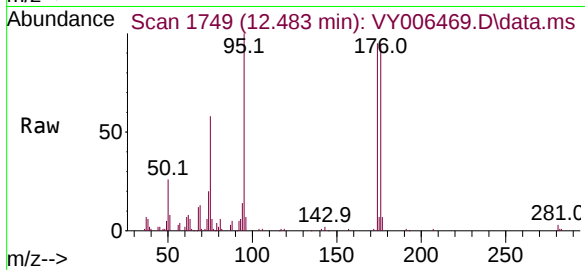




#62
4-Bromofluorobenzene
Concen: 41.092 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006469.D
Acq: 25 Oct 2021 16:14

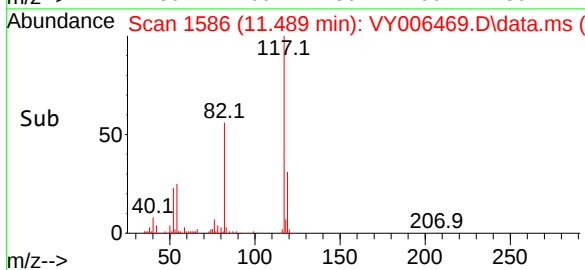
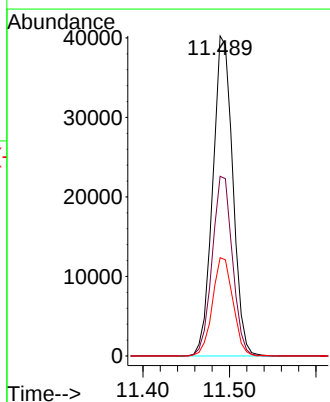
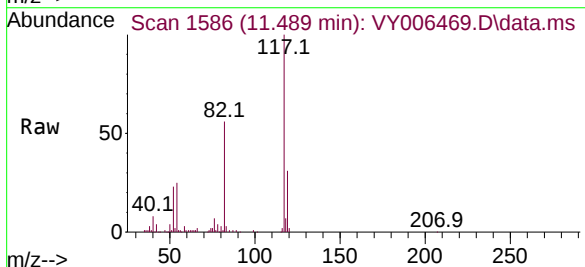
Instrument :
MSVOA_Y
ClientSampleId :

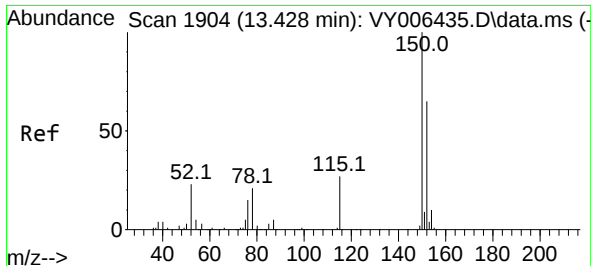
Tgt Ion: 95 Resp: 24325
Ion Ratio Lower Upper
95 100
174 92.9 0.0 177.0
176 91.6 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY006469.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 117 Resp: 64619
Ion Ratio Lower Upper
117 100
82 56.2 45.7 68.5
119 30.7 25.5 38.3

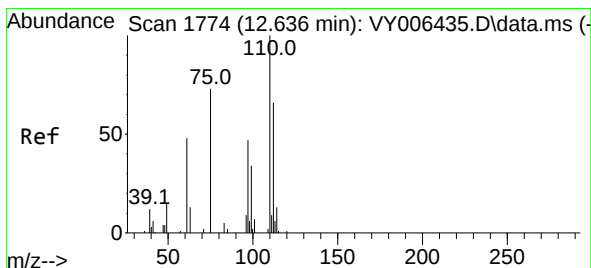
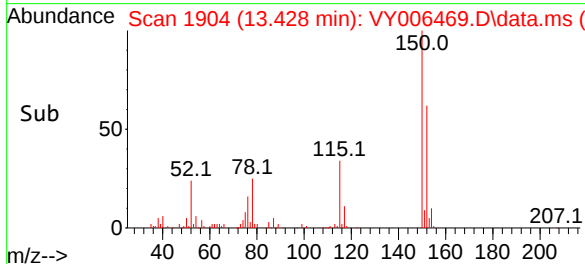
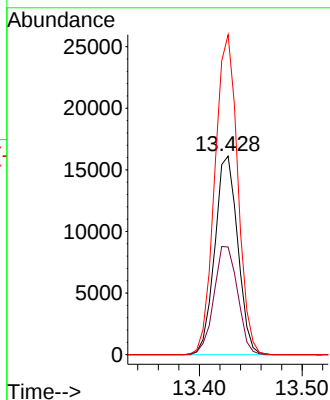
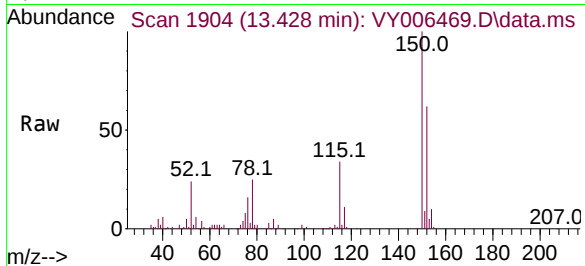




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY006469.D
 Acq: 25 Oct 2021 16:14

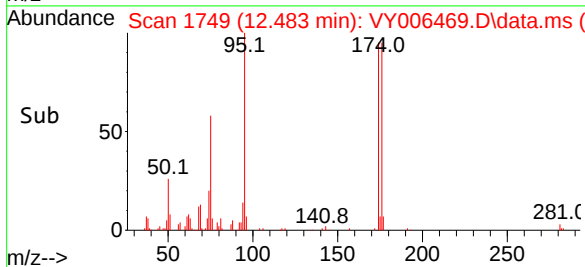
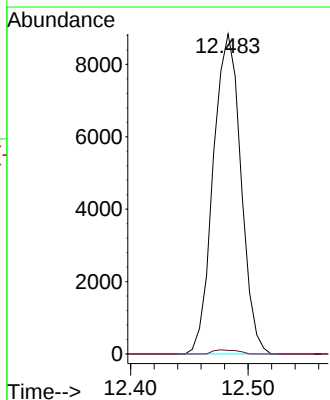
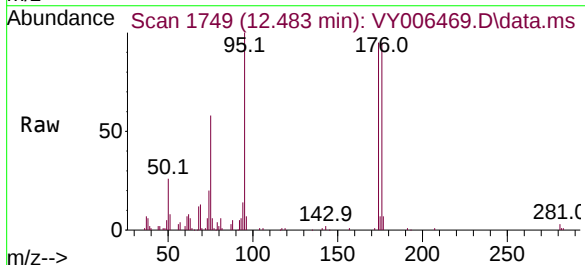
Instrument :
 MSVOA_Y
 ClientSampleId :

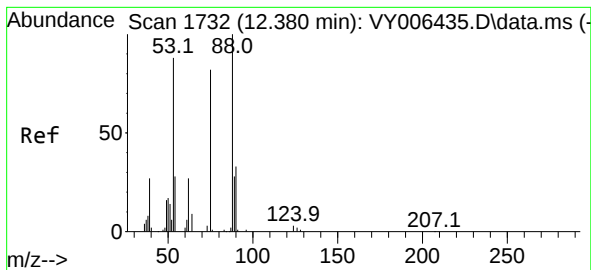
Tgt Ion:152 Resp: 24981
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.5 85.5
 150 160.9 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 56.273 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY006469.D
 Acq: 25 Oct 2021 16:14

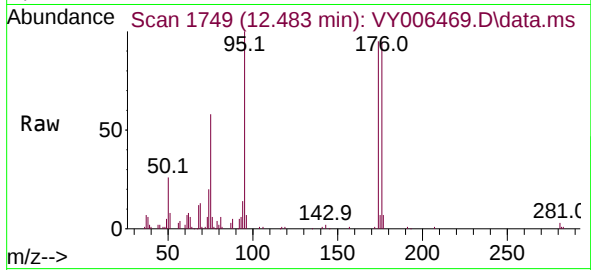
Tgt Ion: 75 Resp: 14486
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.527 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.103 min
 Lab File: VY006469.D
 Acq: 25 Oct 2021 16:14

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 14486
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.8 128.6#
 89 0.0 39.3 58.9#

