

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102621\
 Data File : VY006483.D
 Acq On : 26 Oct 2021 16:00
 Operator : SY/MD
 Sample : M4290-13RE
 Misc : 4.47G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 27 05:26:29 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)

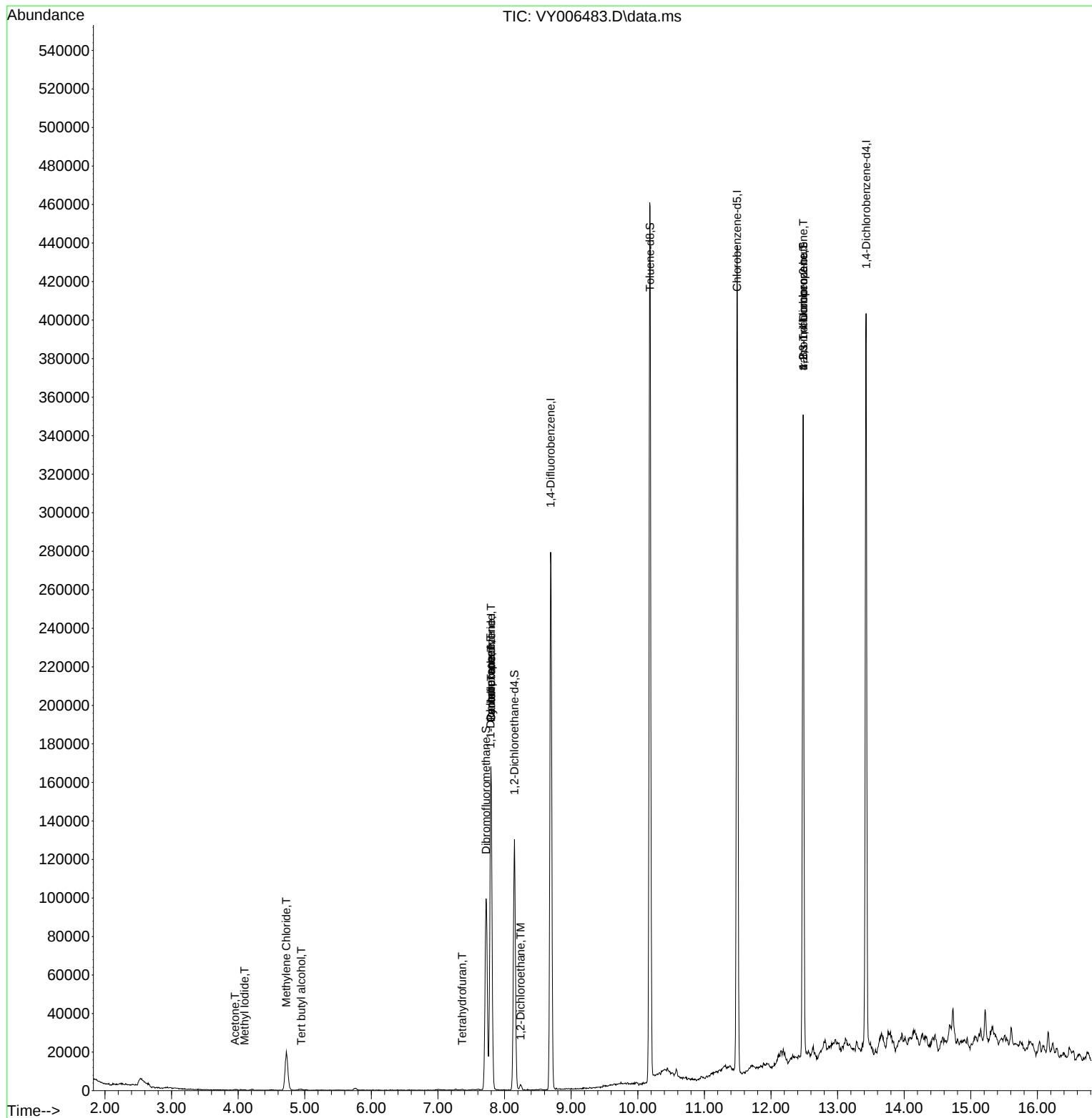
Internal Standards						
1) Pentafluorobenzene	7.795	168	127014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	223030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	211515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	102086	65.315	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.620%	
35) Dibromofluoromethane	7.722	113	67669	54.435	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.880%	
50) Toluene-d8	10.185	98	292617	55.528	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.060%	
62) 4-Bromofluorobenzene	12.483	95	93839	52.863	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.720%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.095	142	320	5.290	ug/l #	58
11) Tert butyl alcohol	4.948	59	335	2.359	ug/l #	72
16) Acetone	3.954	43	715	1.589	ug/l #	80
20) Methylene Chloride	4.723	84	13434	6.077	ug/l	98
29) Tetrahydrofuran	7.362	42	369	1.020	ug/l #	47
31) Cyclohexane	7.795	56	3195	1.263	ug/l #	16
36) 1,1-Dichloropropene	7.789	75	10316	4.681	ug/l #	49
38) Carbon Tetrachloride	7.795	117	12475	5.132	ug/l #	15
42) 1,2-Dichloroethane	8.240	62	2300	1.025	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	55257	60.044	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	55257	123.268	ug/l #	7

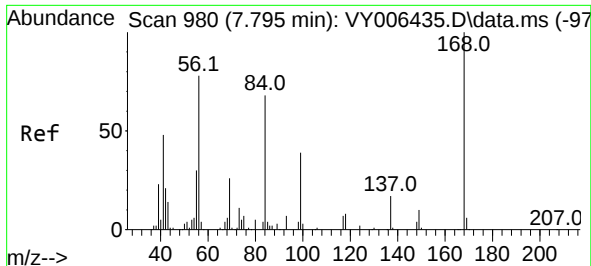
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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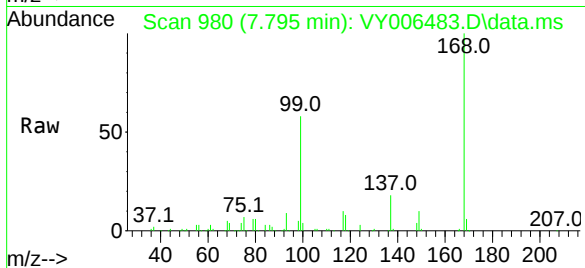
Quant Time: Oct 27 05:26:29 2021
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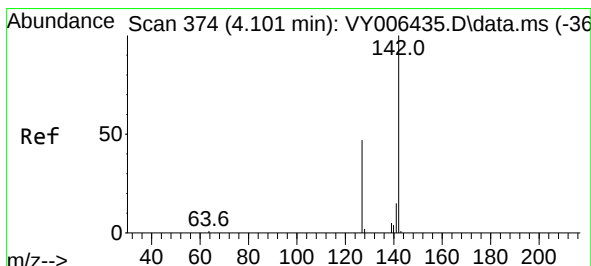
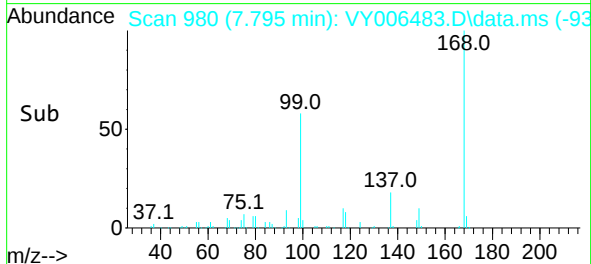
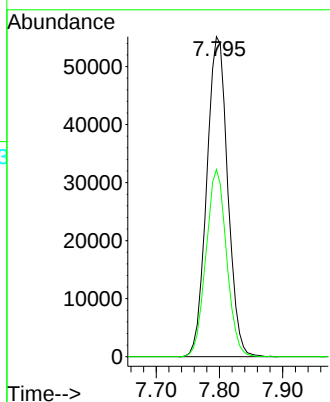


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY006483.D
Acq: 26 Oct 2021 16:00

Instrument :
MSVOA_Y
ClientSampleId :

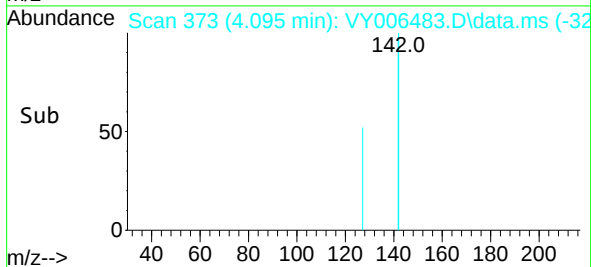
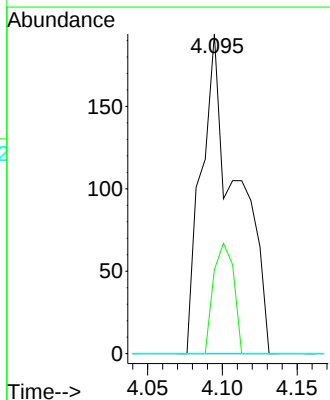
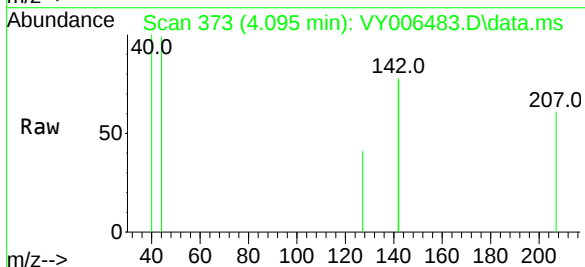


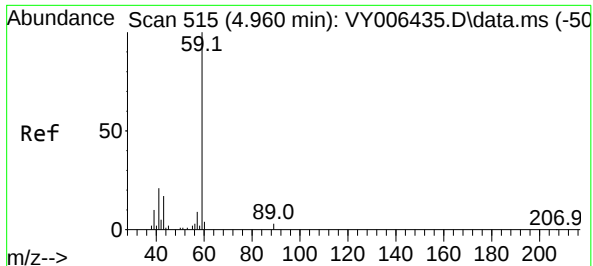
Tgt Ion:168 Resp: 127014
Ion Ratio Lower Upper
168 100
99 58.5 44.8 67.2



#10
Methyl Iodide
Concen: 5.290 ug/l
RT: 4.095 min Scan# 373
Delta R.T. -0.006 min
Lab File: VY006483.D
Acq: 26 Oct 2021 16:00

Tgt Ion:142 Resp: 320
Ion Ratio Lower Upper
142 100
127 19.7 40.1 60.1#
141 0.0 12.5 18.7#





#11

Tert butyl alcohol

Concen: 2.359 ug/l

RT: 4.948 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY006483.D

Acq: 26 Oct 2021 16:00

Instrument :

MSVOA_Y

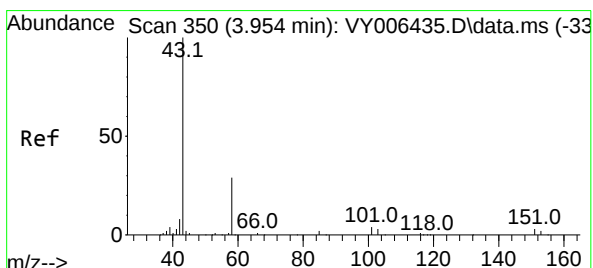
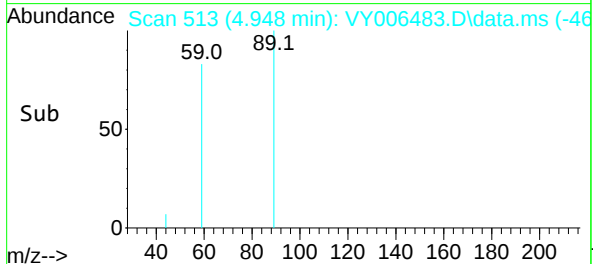
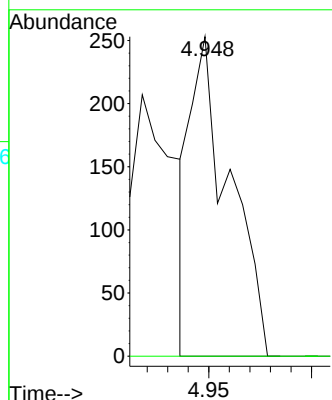
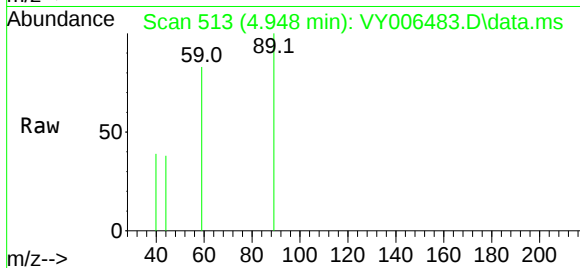
ClientSampleId :

Tgt Ion: 59 Resp: 335

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 1.589 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.000 min

Lab File: VY006483.D

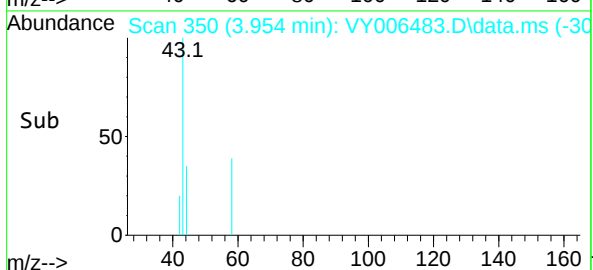
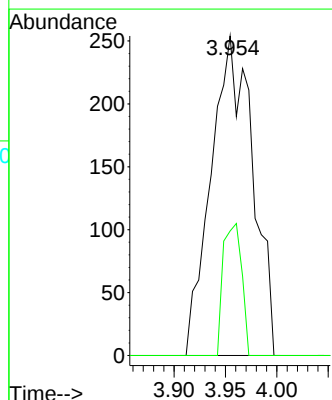
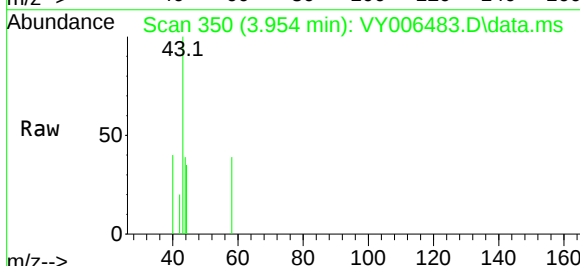
Acq: 26 Oct 2021 16:00

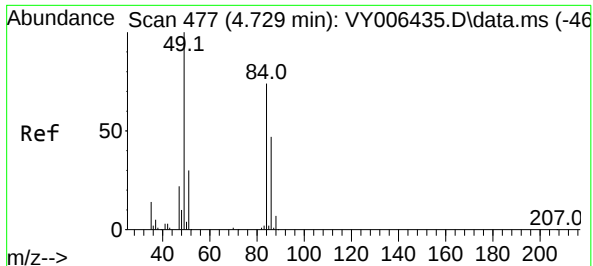
Tgt Ion: 43 Resp: 715

Ion Ratio Lower Upper

43 100

58 39.0 22.9 34.3#





#20

Methylene Chloride

Concen: 6.077 ug/l

RT: 4.723 min Scan# 41

Delta R.T. -0.006 min

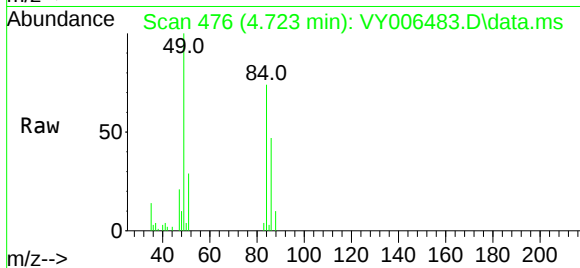
Lab File: VY006483.D

Acq: 26 Oct 2021 16:00

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 13434

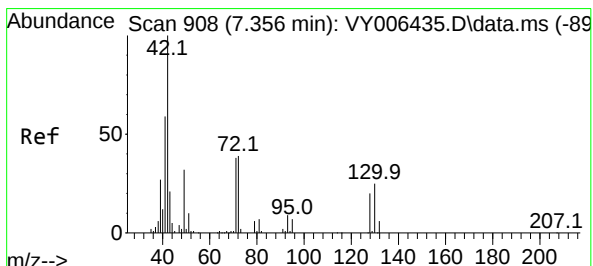
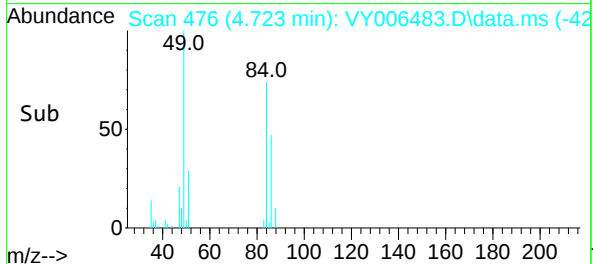
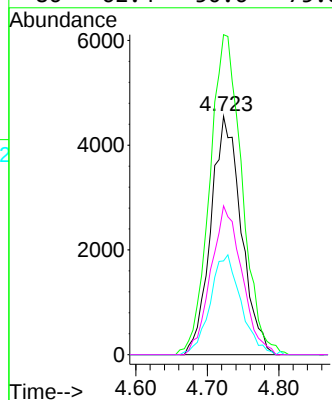
Ion Ratio Lower Upper

84 100

49 132.9 107.8 161.8

51 39.4 32.8 49.2

86 62.4 50.6 75.8



#29

Tetrahydrofuran

Concen: 1.020 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.006 min

Lab File: VY006483.D

Acq: 26 Oct 2021 16:00

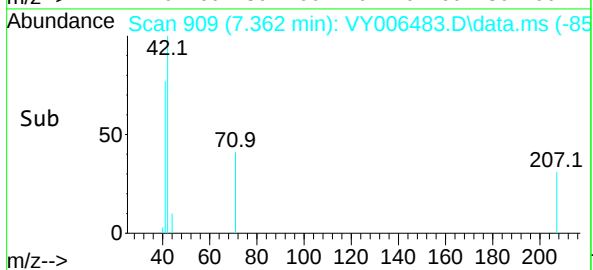
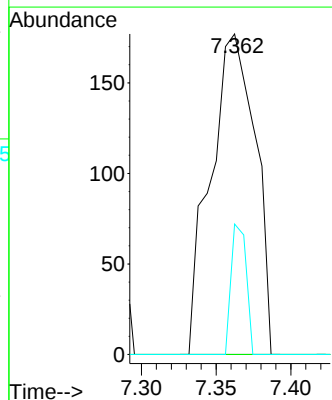
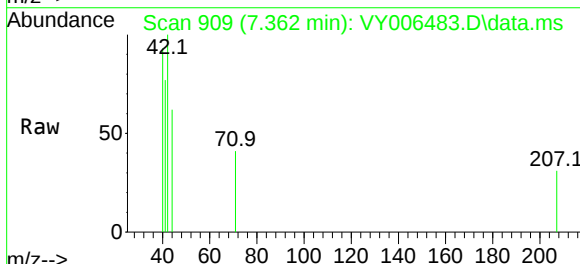
Tgt Ion: 42 Resp: 369

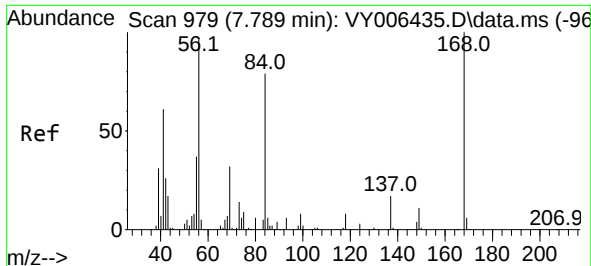
Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

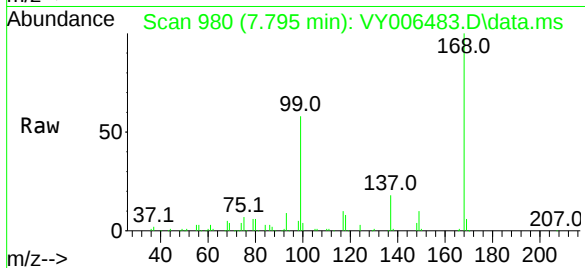
71 13.6 30.3 45.5#



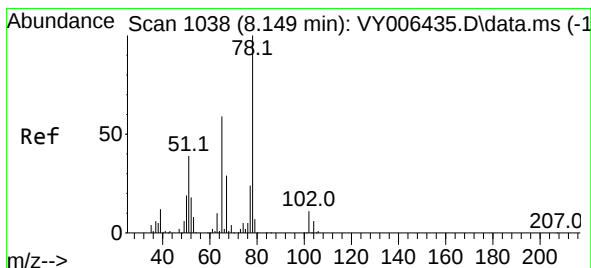
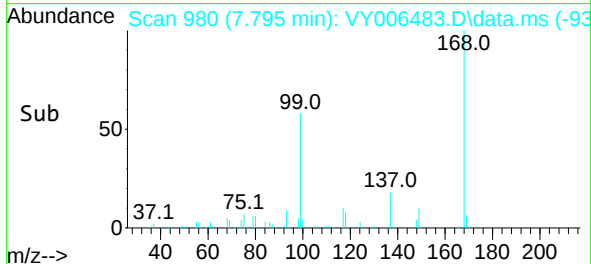
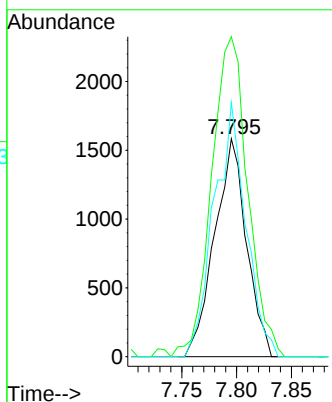


#31
Cyclohexane
Concen: 1.263 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006483.D
Acq: 26 Oct 2021 16:00

Instrument :
MSVOA_Y
ClientSampleId :

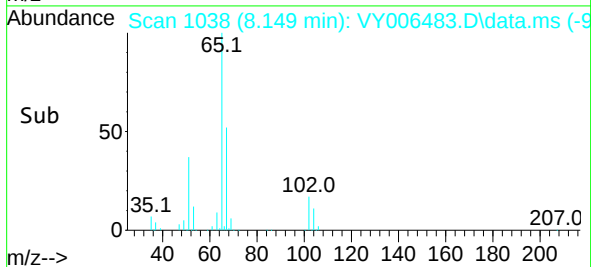
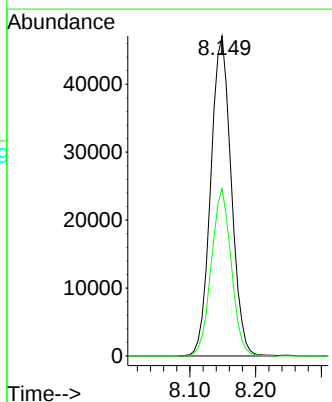
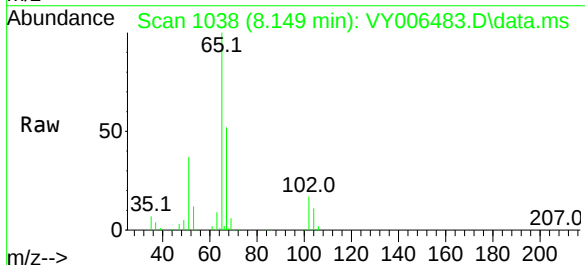


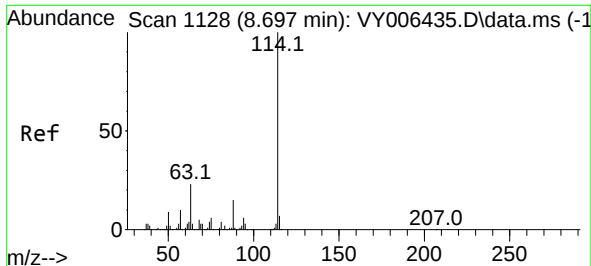
Tgt Ion: 56 Resp: 3195
Ion Ratio Lower Upper
56 100
69 143.2 26.6 40.0#
84 116.5 65.0 97.4#



#33
1,2-Dichloroethane-d4
Concen: 65.315 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006483.D
Acq: 26 Oct 2021 16:00

Tgt Ion: 65 Resp: 102086
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY006483.D

Acq: 26 Oct 2021 16:00

Instrument :

MSVOA_Y

ClientSampleId :

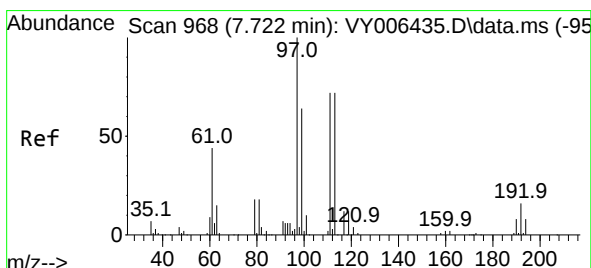
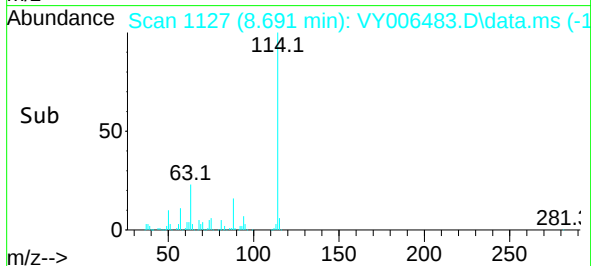
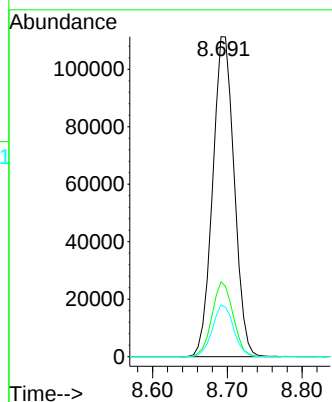
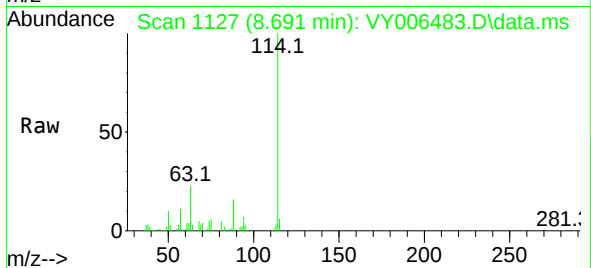
Tgt Ion:114 Resp: 223030

Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.0

88 16.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.435 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY006483.D

Acq: 26 Oct 2021 16:00

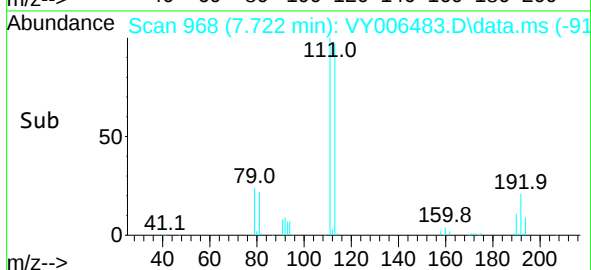
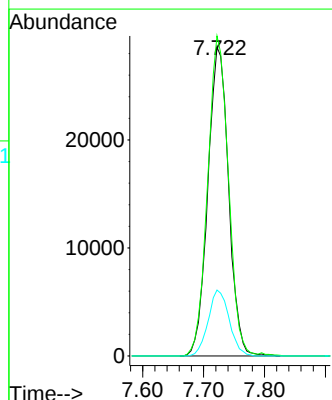
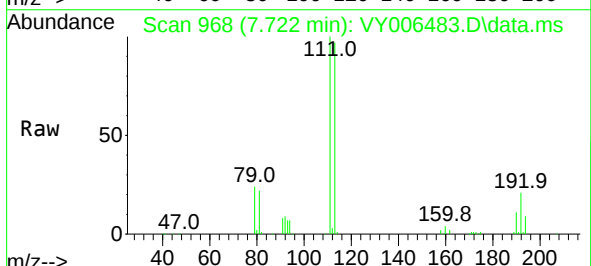
Tgt Ion:113 Resp: 67669

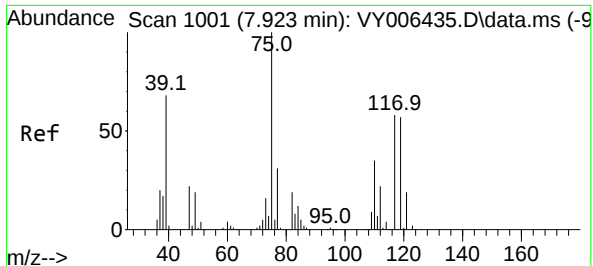
Ion Ratio Lower Upper

113 100

111 103.3 82.3 123.5

192 21.6 17.4 26.2





#36

1,1-Dichloropropene

Concen: 4.681 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

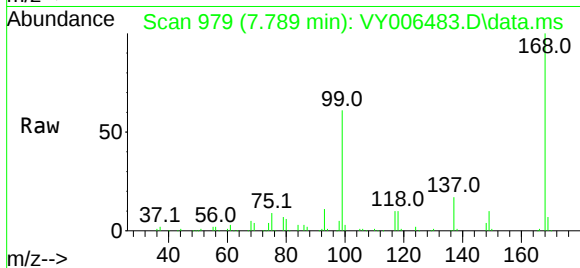
Lab File: VY006483.D

Acq: 26 Oct 2021 16:00

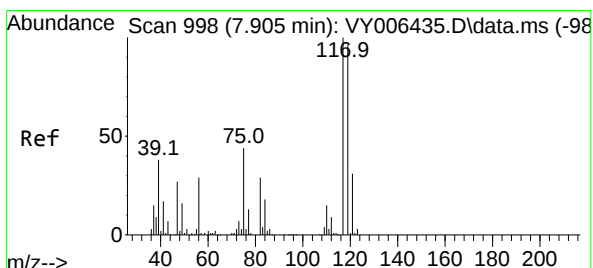
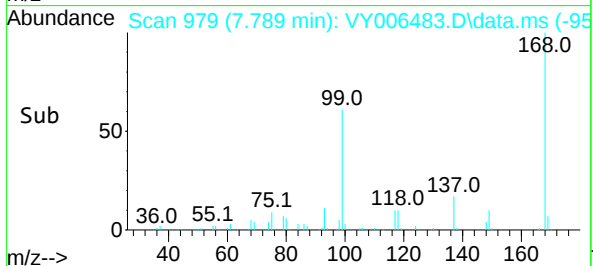
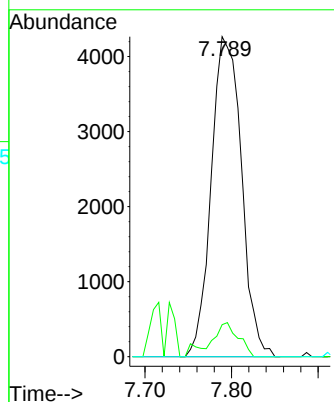
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 10316
Ion Ratio	Lower Upper
75 100	
110 8.0	17.1 51.3#
77 0.0	24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.132 ug/l

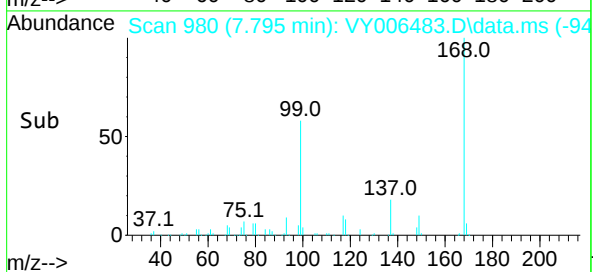
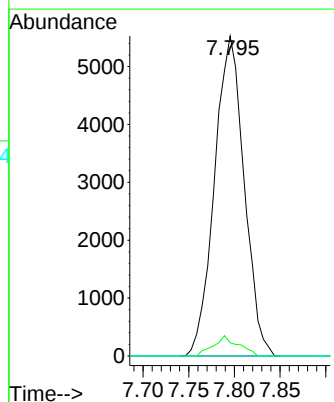
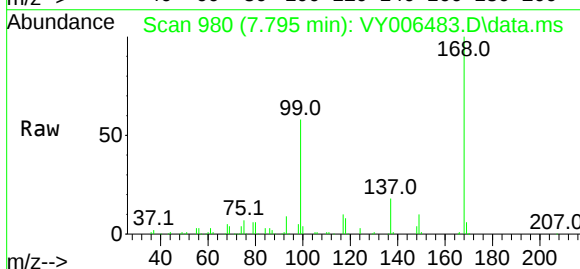
RT: 7.795 min Scan# 980

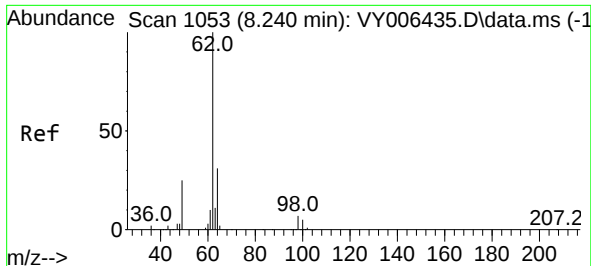
Delta R.T. -0.110 min

Lab File: VY006483.D

Acq: 26 Oct 2021 16:00

Tgt Ion: 117	Resp: 12475
Ion Ratio	Lower Upper
117 100	
119 4.2	76.6 115.0#
121 0.0	24.7 37.1#





#42

1,2-Dichloroethane

Concen: 1.025 ug/l

RT: 8.240 min Scan# 1053

Delta R.T. 0.000 min

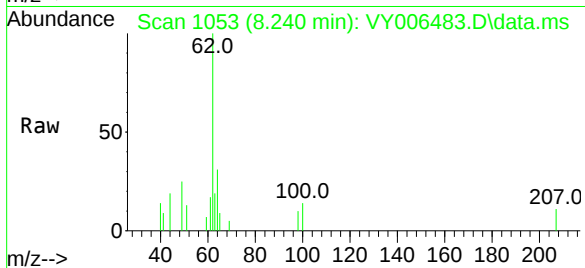
Lab File: VY006483.D

Acq: 26 Oct 2021 16:00

Instrument :

MSVOA_Y

ClientSampleId :

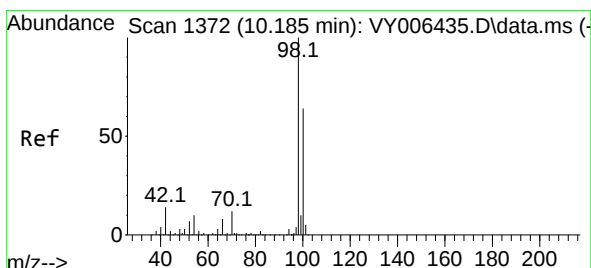
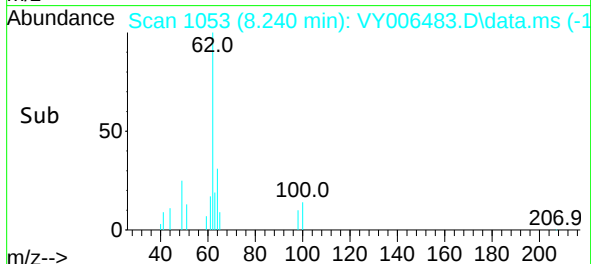
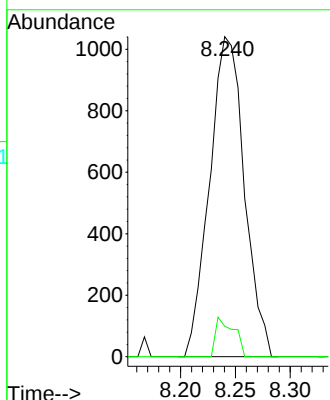


Tgt Ion: 62 Resp: 2300

Ion Ratio Lower Upper

62 100

98 6.4 0.0 15.2



#50

Toluene-d8

Concen: 55.528 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY006483.D

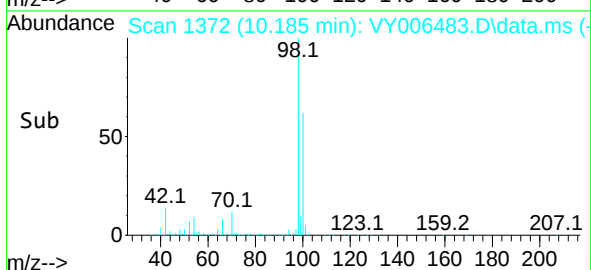
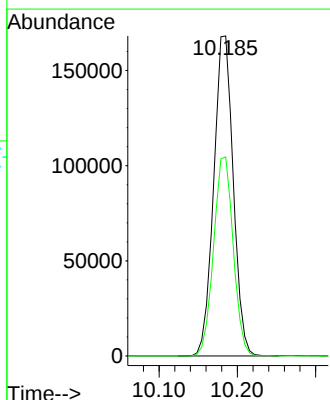
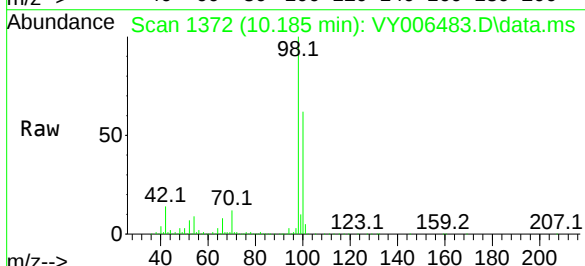
Acq: 26 Oct 2021 16:00

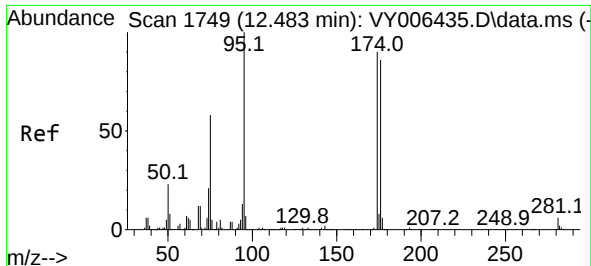
Tgt Ion: 98 Resp: 292617

Ion Ratio Lower Upper

98 100

100 62.4 50.9 76.3

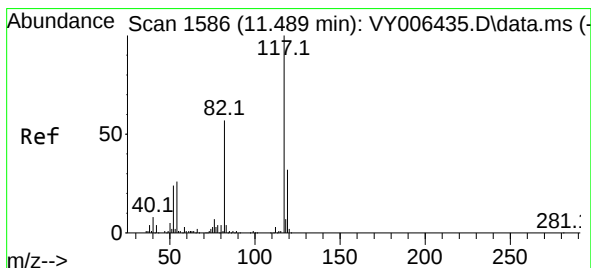
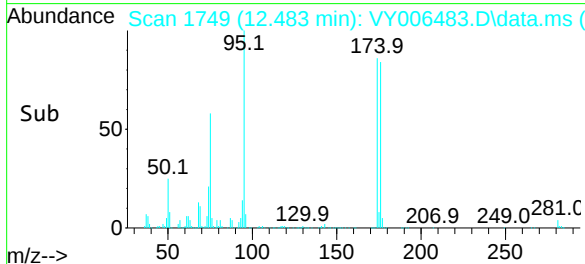
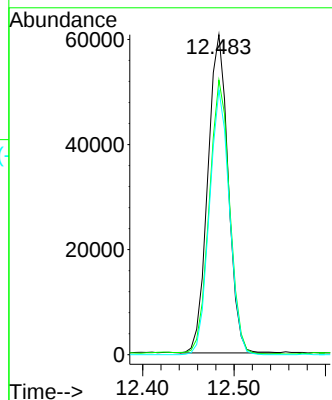
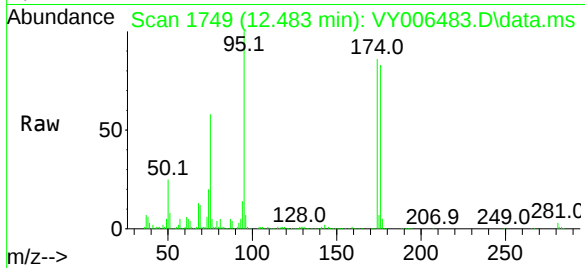




#62
4-Bromofluorobenzene
Concen: 52.863 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006483.D
Acq: 26 Oct 2021 16:00

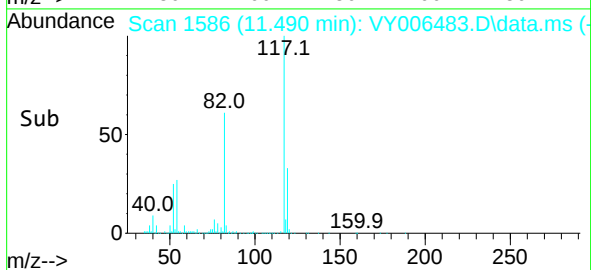
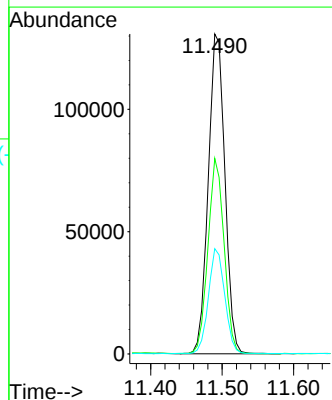
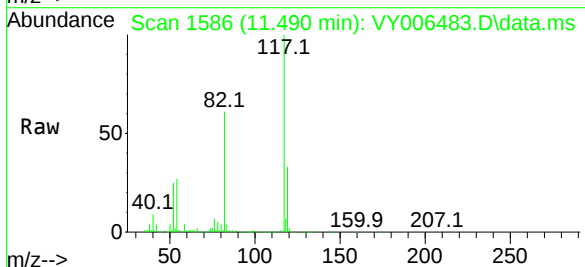
Instrument :
MSVOA_Y
ClientSampleId :

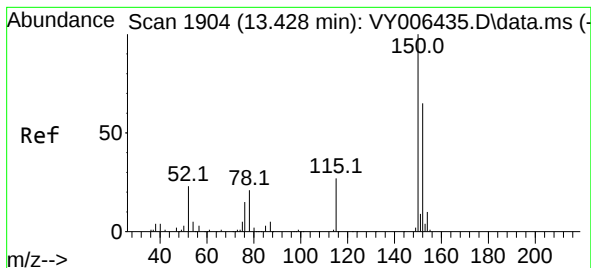
Tgt Ion: 95 Resp: 93839
Ion Ratio Lower Upper
95 100
174 86.5 0.0 177.0
176 81.5 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY006483.D
Acq: 26 Oct 2021 16:00

Tgt Ion: 117 Resp: 211515
Ion Ratio Lower Upper
117 100
82 61.1 45.7 68.5
119 32.8 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: VY006483.D

Acq: 26 Oct 2021 16:00

Instrument :

MSVOA_Y

ClientSampleId :

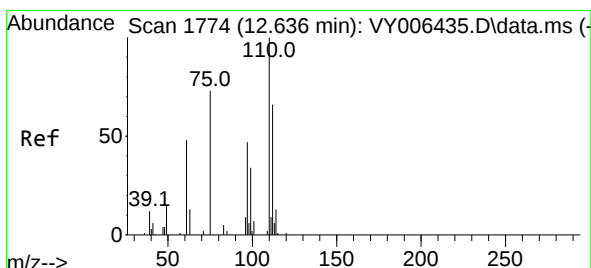
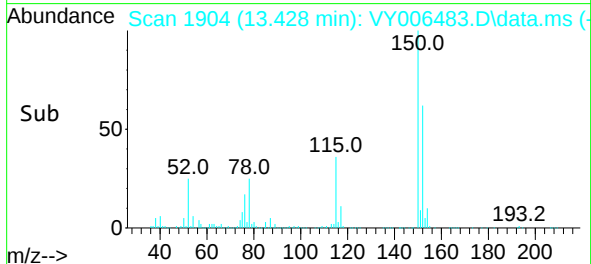
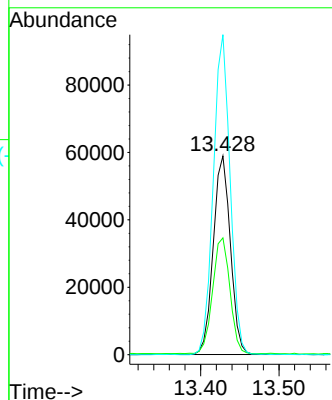
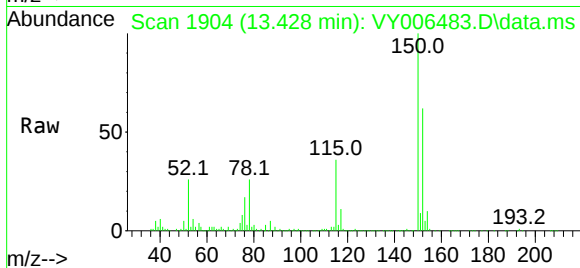
Tgt Ion:152 Resp: 89306

Ion Ratio Lower Upper

152 100

115 58.8 28.5 85.5

150 158.5 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 60.044 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY006483.D

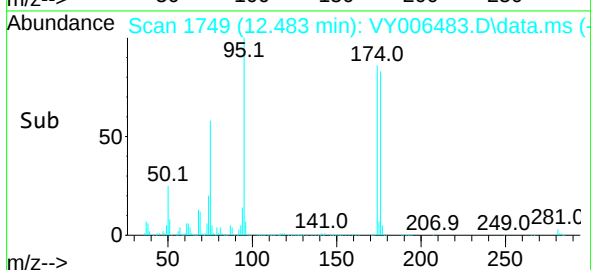
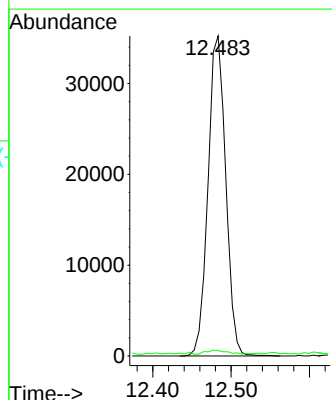
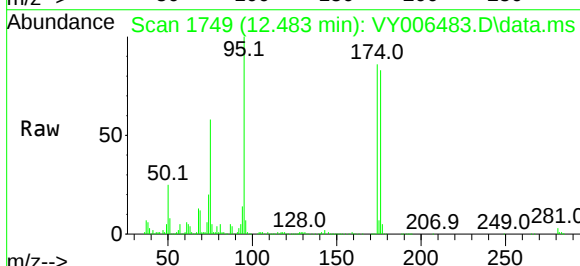
Acq: 26 Oct 2021 16:00

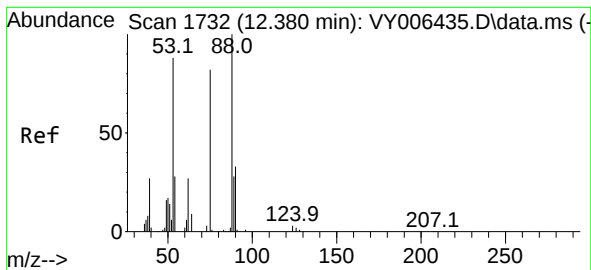
Tgt Ion: 75 Resp: 55257

Ion Ratio Lower Upper

75 100

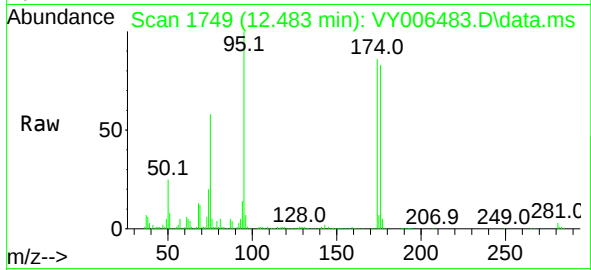
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.268 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY006483.D
 Acq: 26 Oct 2021 16:00

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	85.8	128.6#
89	0.1	39.3	58.9#

