

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082724\
 Data File : VY019284.D
 Acq On : 27 Aug 2024 14:21
 Operator : SY/MD
 Sample : P3663-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 28 01:44:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

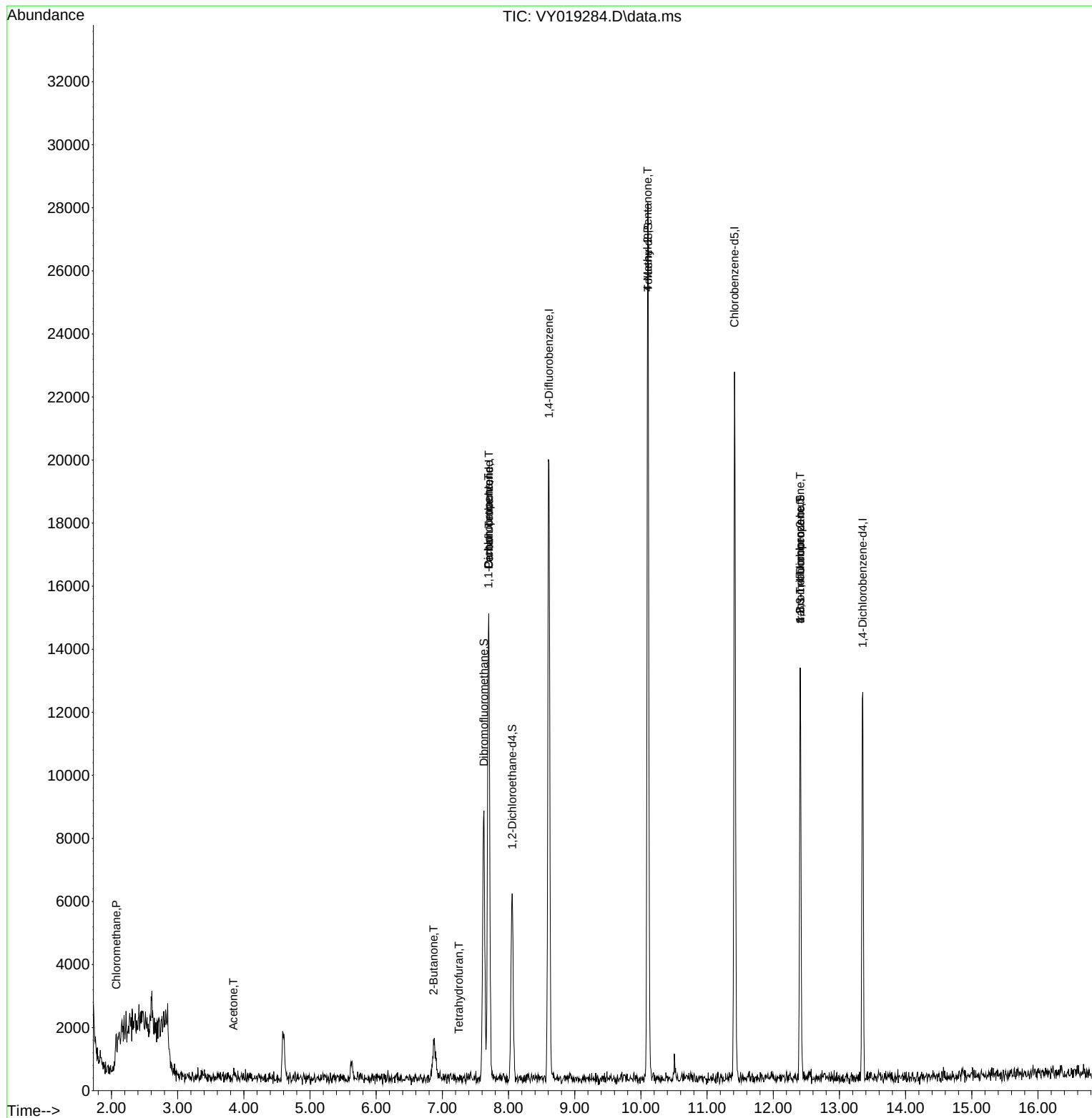
Internal Standards						
1) Pentafluorobenzene	7.701	168	12297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	18379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	12706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	3449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	4482	36.360	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	72.720%
35) Dibromofluoromethane	7.628	113	6098	50.744	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.480%
50) Toluene-d8	10.109	98	19020	43.981	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.960%
62) 4-Bromofluorobenzene	12.408	95	3722	25.247	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	50.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	178	1.095	ug/l #	64
5) Bromomethane	2.599	94	309	Below Cal		99
11) Tert butyl alcohol	4.769	59	23	Below Cal	#	88
16) Acetone	3.842	43	345	15.092	ug/l #	36
20) Methylene Chloride	4.610	84	1049	Below Cal	#	83
25) 2-Butanone	6.866	43	111	3.015	ug/l #	41
29) Tetrahydrofuran	7.250	42	25	1.056	ug/l #	26
31) Cyclohexane	7.707	56	288	Below Cal	#	61
36) 1,1-Dichloropropene	7.695	75	1041	6.308	ug/l #	40
38) Carbon Tetrachloride	7.701	117	1290	6.745	ug/l #	13
51) 4-Methyl-2-Pentanone	10.103	43	86	1.096	ug/l #	6
76) 1,2,3-Trichloropropane	12.408	75	2264	66.562	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	2264	164.386	ug/l #	16

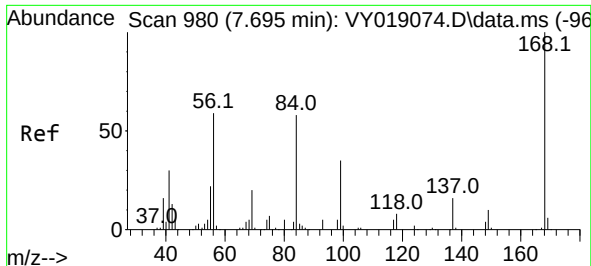
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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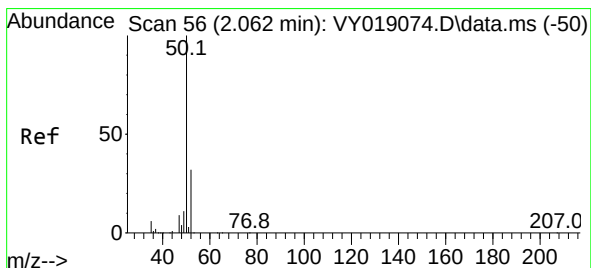
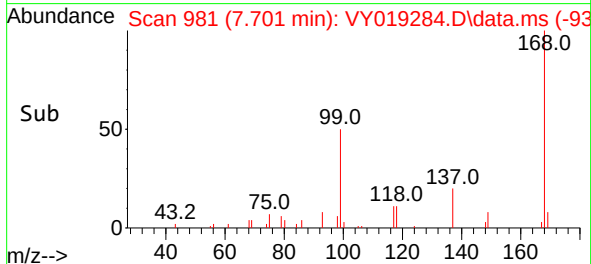
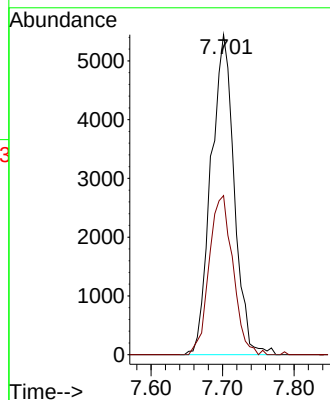
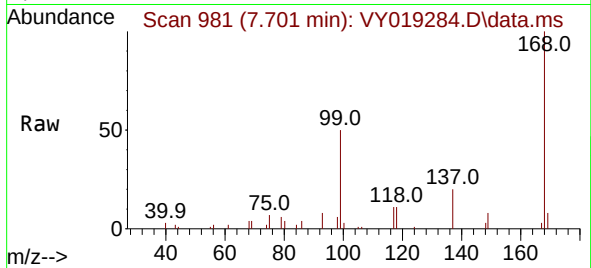




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019284.D
Acq: 27 Aug 2024 14:21

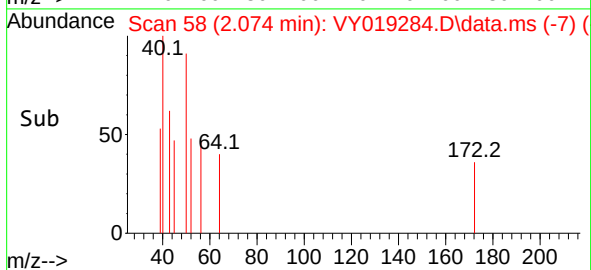
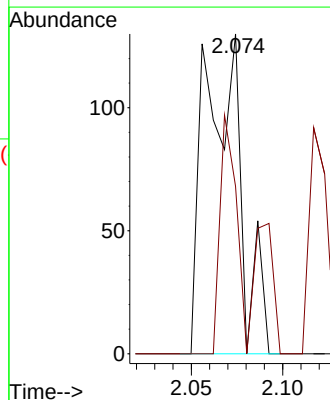
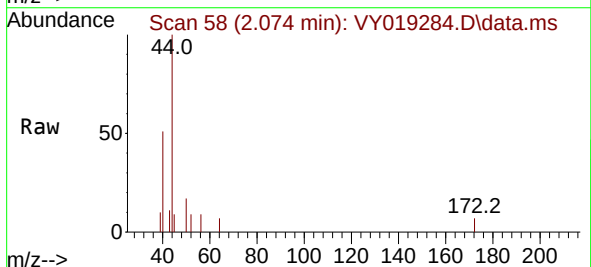
Instrument :
MSVOA_Y
ClientSampleId :

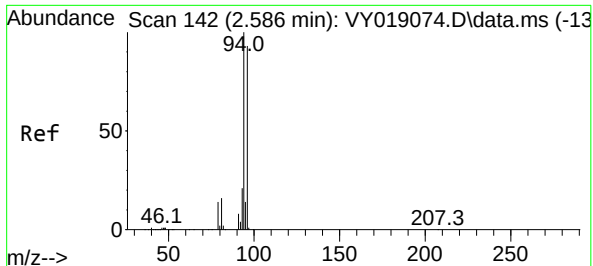
Tgt Ion:168 Resp: 12297
Ion Ratio Lower Upper
168 100
99 49.7 39.1 58.7



#3
Chloromethane
Concen: 1.095 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.012 min
Lab File: VY019284.D
Acq: 27 Aug 2024 14:21

Tgt Ion: 50 Resp: 178
Ion Ratio Lower Upper
50 100
52 52.3 25.6 38.4#

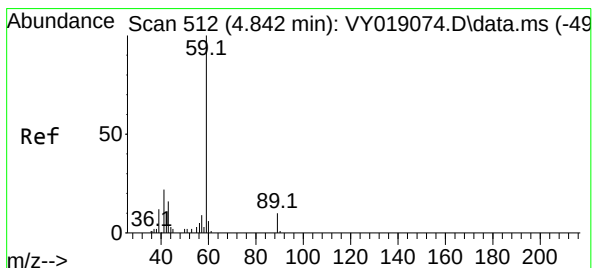
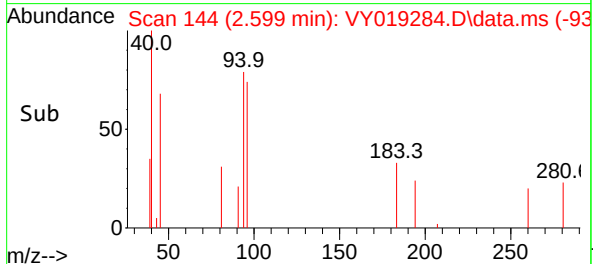
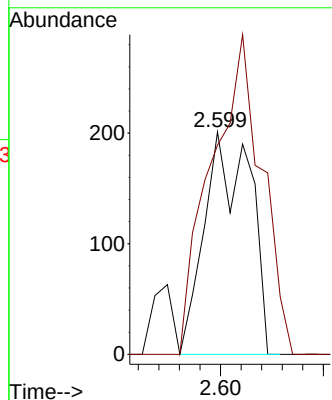
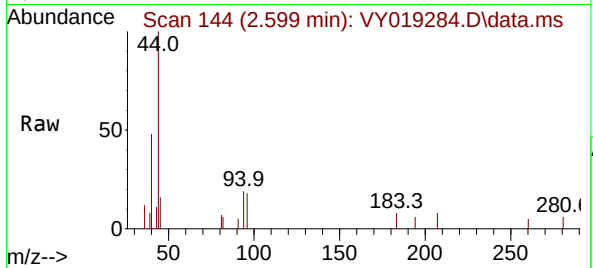




#5
Bromomethane
Concen: Below Cal
RT: 2.599 min Scan# 14
Delta R.T. 0.013 min
Lab File: VY019284.D
Acq: 27 Aug 2024 14:21

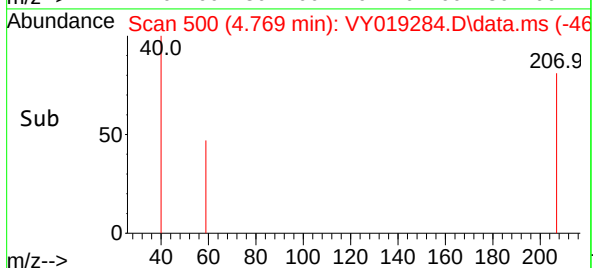
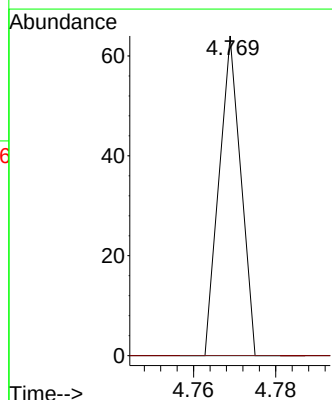
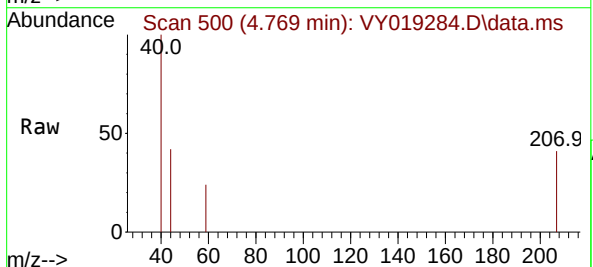
Instrument :
MSVOA_Y
ClientSampleId :

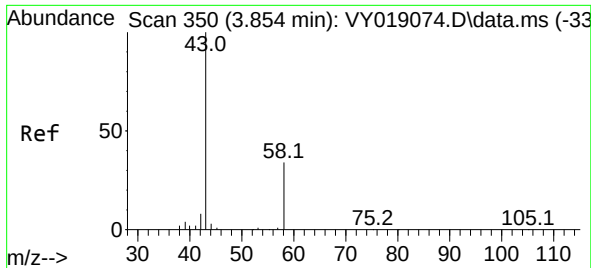
Tgt Ion: 94 Resp: 309
Ion Ratio Lower Upper
94 100
96 94.0 74.1 111.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.769 min Scan# 500
Delta R.T. -0.073 min
Lab File: VY019284.D
Acq: 27 Aug 2024 14:21

Tgt Ion: 59 Resp: 23
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 15.092 ug/l

RT: 3.842 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY019284.D

Acq: 27 Aug 2024 14:21

Instrument :

MSVOA_Y

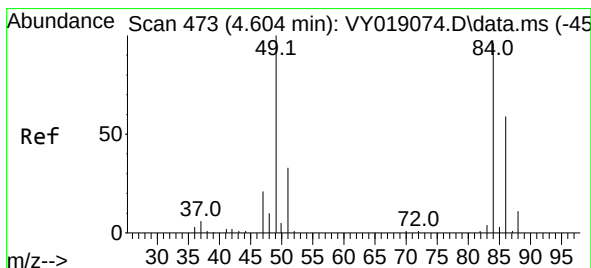
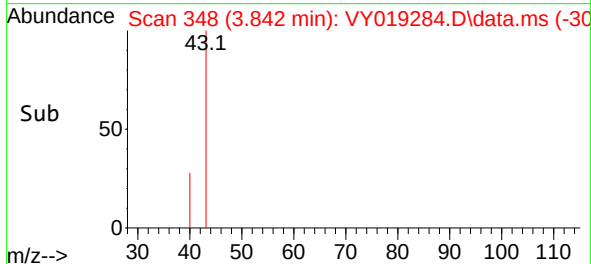
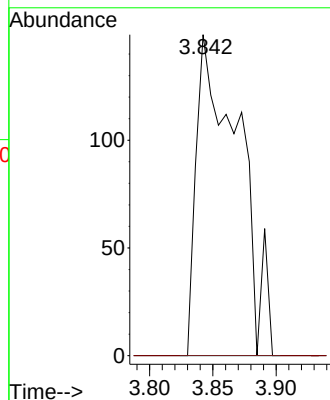
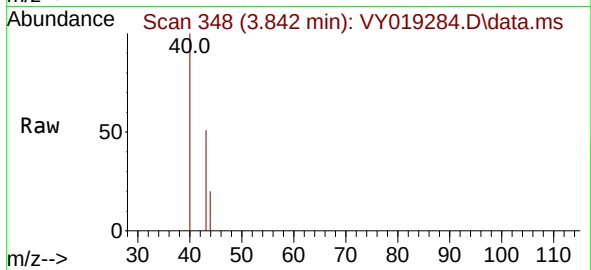
ClientSampleId :

Tgt Ion: 43 Resp: 345

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY019284.D

Acq: 27 Aug 2024 14:21

Tgt Ion: 84 Resp: 1049

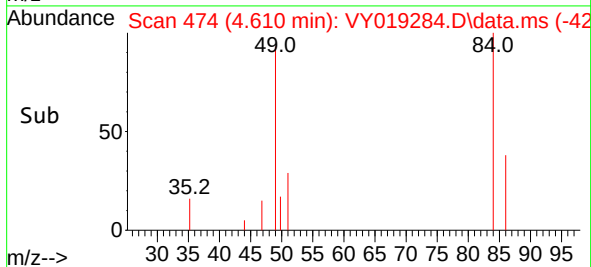
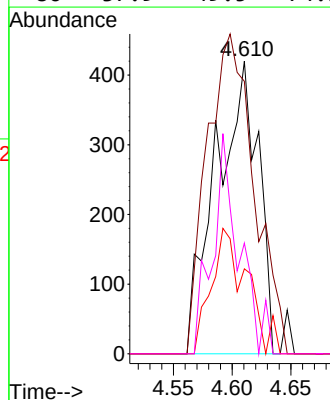
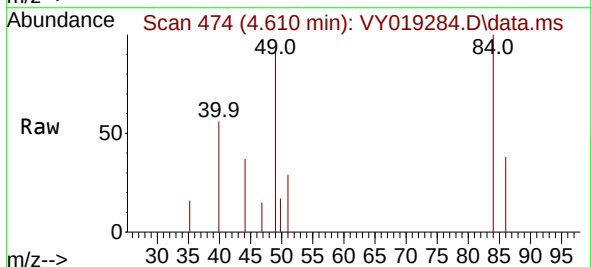
Ion Ratio Lower Upper

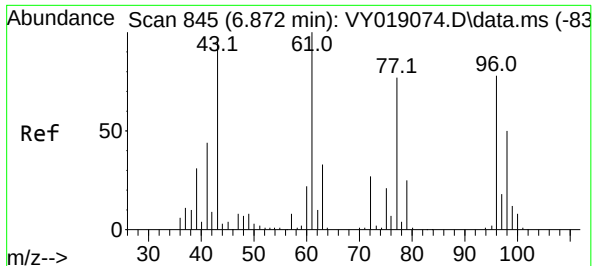
84 100

49 93.1 84.4 126.6

51 29.0 26.0 39.0

86 37.9 49.5 74.3#





#25

2-Butanone

Concen: 3.015 ug/l

RT: 6.866 min Scan# 84

Delta R.T. -0.006 min

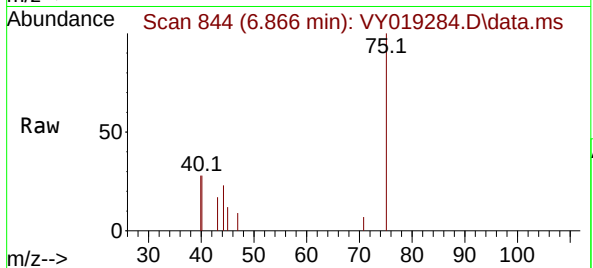
Lab File: VY019284.D

Acq: 27 Aug 2024 14:21

Instrument :

MSVOA_Y

ClientSampleId :

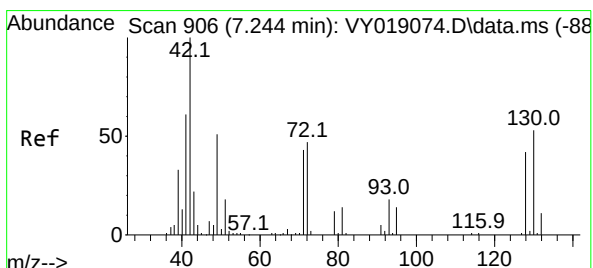
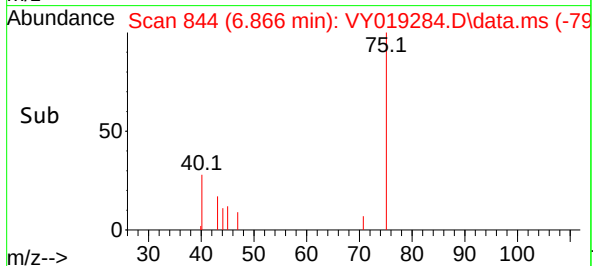
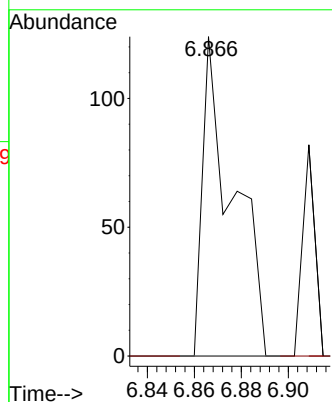


Tgt Ion: 43 Resp: 111

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#29

Tetrahydrofuran

Concen: 1.056 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY019284.D

Acq: 27 Aug 2024 14:21

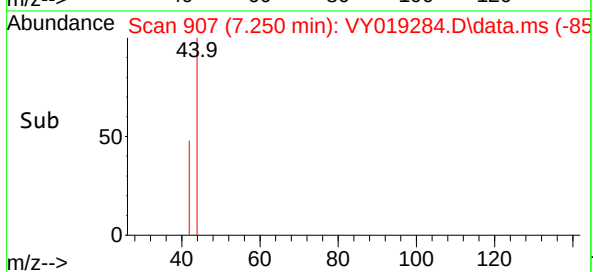
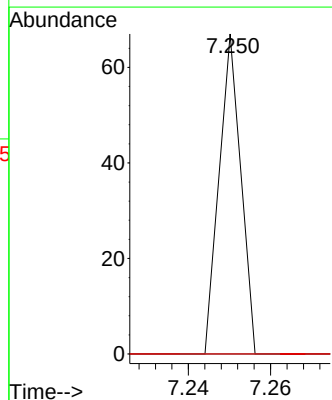
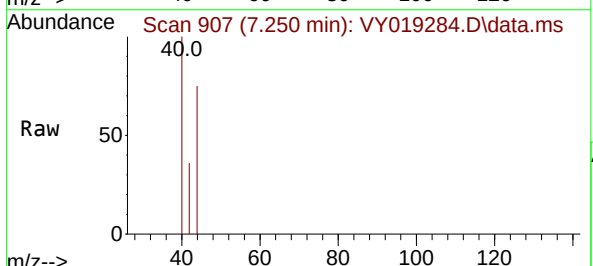
Tgt Ion: 42 Resp: 25

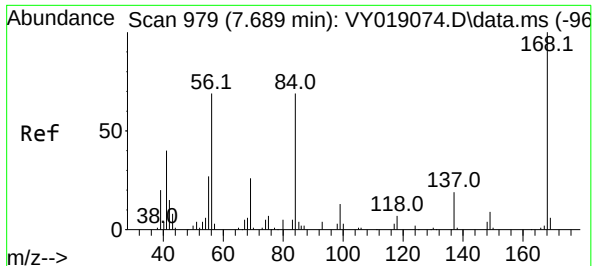
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

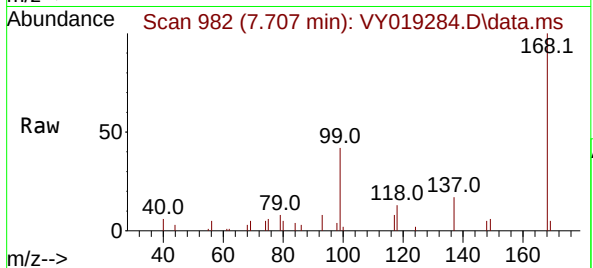
71 0.0 40.8 61.2#



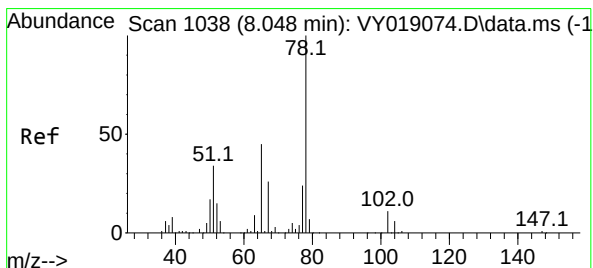
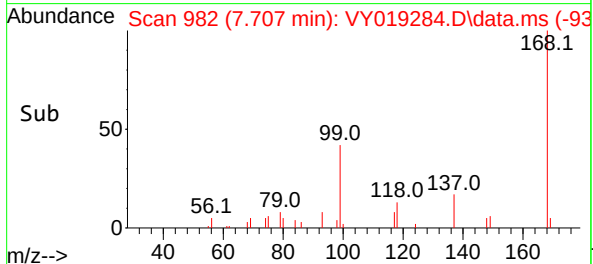
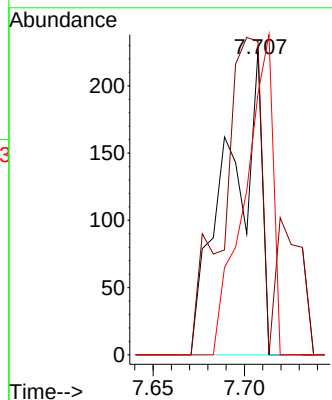


#31
Cyclohexane
Concen: Below Cal
RT: 7.707 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY019284.D
Acq: 27 Aug 2024 14:21

Instrument :
MSVOA_Y
ClientSampleId :

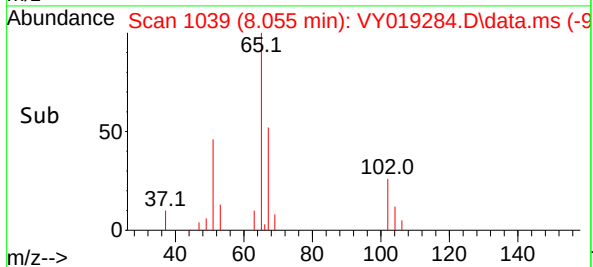
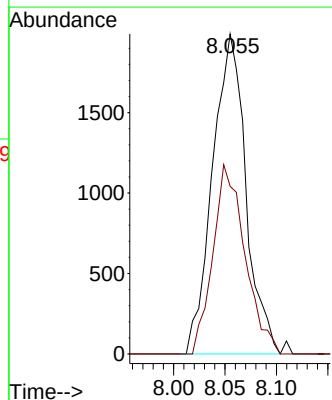
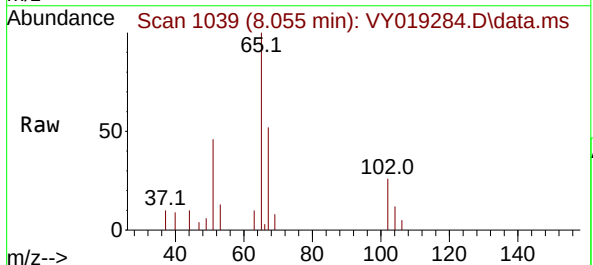


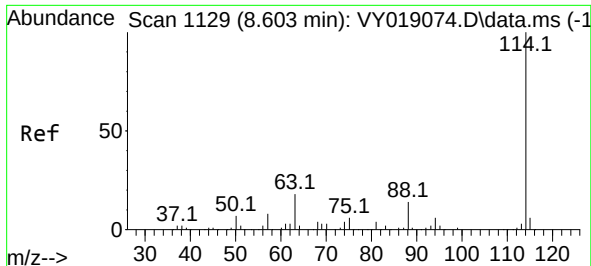
Tgt Ion: 56 Resp: 288
Ion Ratio Lower Upper
56 100
69 103.1 28.7 43.1#
84 85.8 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 36.360 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.007 min
Lab File: VY019284.D
Acq: 27 Aug 2024 14:21

Tgt Ion: 65 Resp: 4482
Ion Ratio Lower Upper
65 100
67 56.9 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019284.D

Acq: 27 Aug 2024 14:21

Instrument :

MSVOA_Y

ClientSampleId :

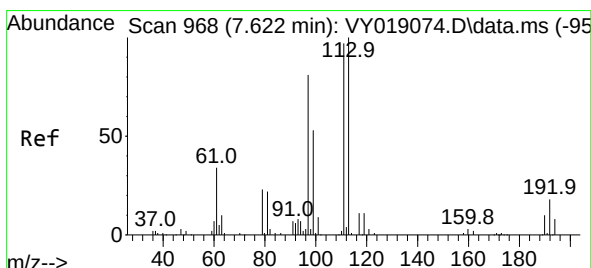
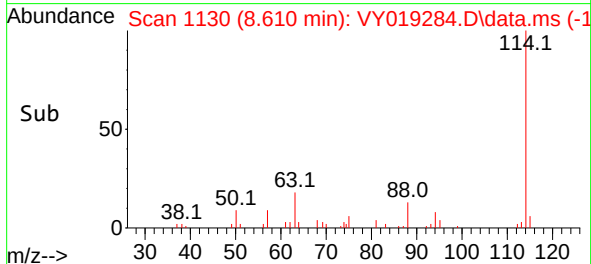
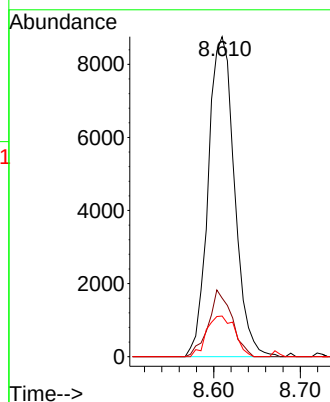
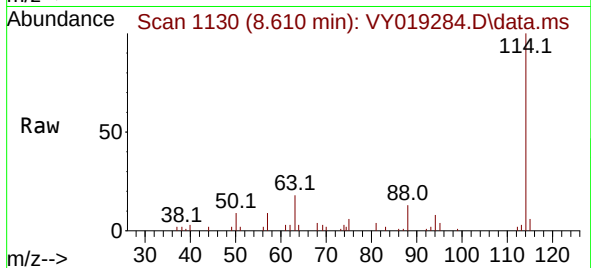
Tgt Ion:114 Resp: 18379

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

88 12.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.744 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019284.D

Acq: 27 Aug 2024 14:21

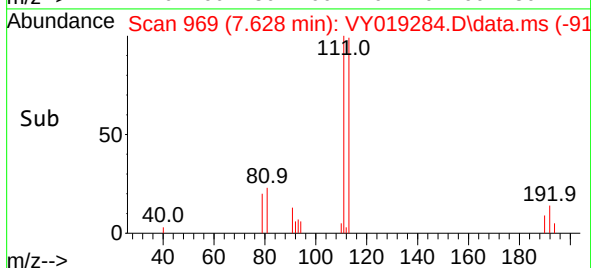
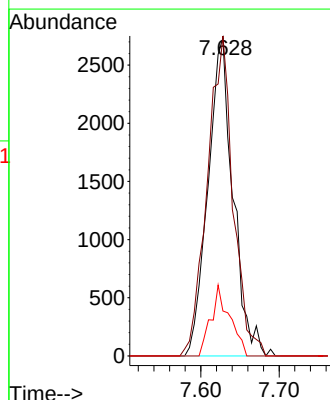
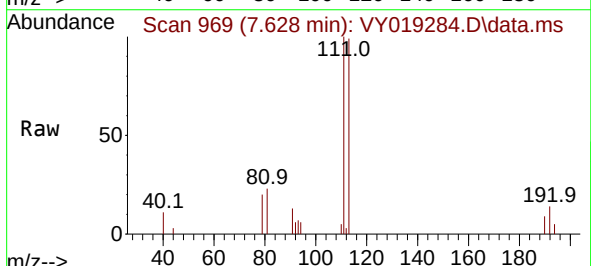
Tgt Ion:113 Resp: 6098

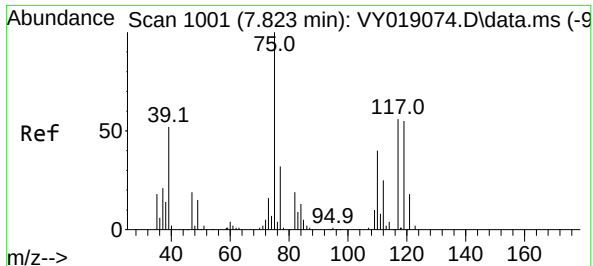
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

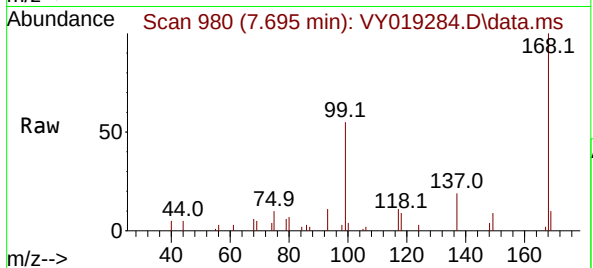
192 16.6 15.9 23.9



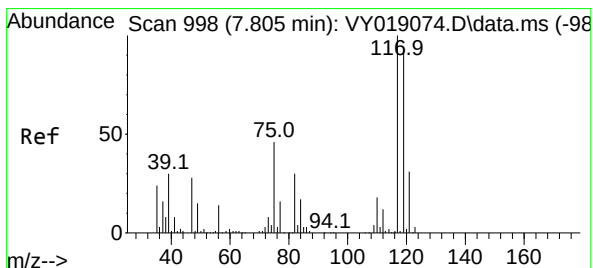
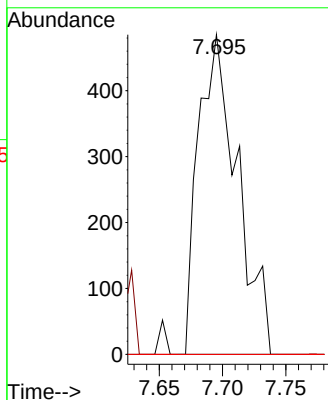
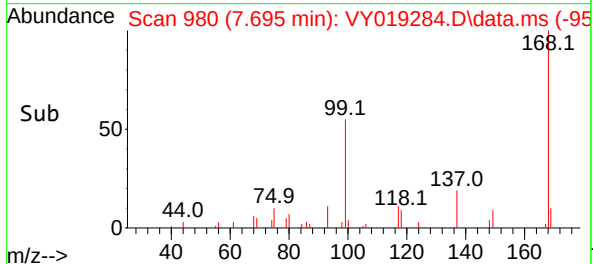


#36
1,1-Dichloropropene
Concen: 6.308 ug/l
RT: 7.695 min Scan# 90
Delta R.T. -0.128 min
Lab File: VY019284.D
Acq: 27 Aug 2024 14:21

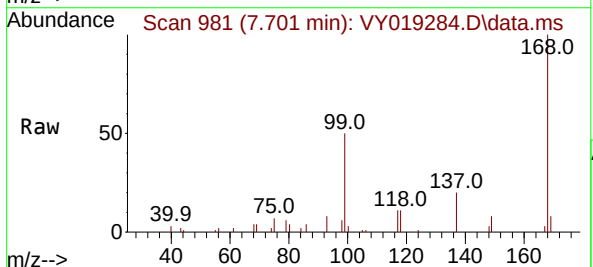
Instrument :
MSVOA_Y
ClientSampleId :



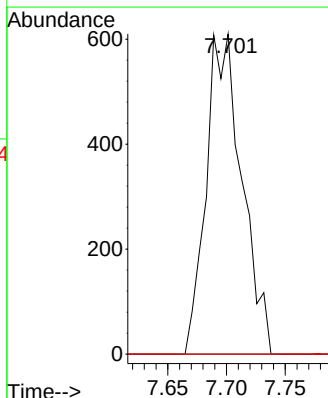
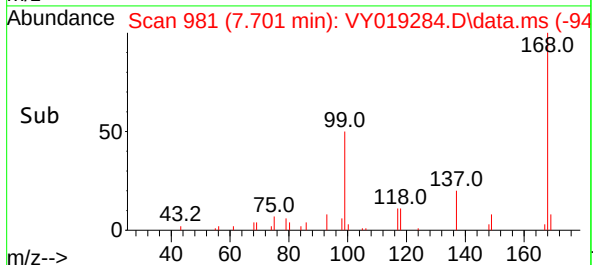
Tgt Ion: 75 Resp: 1041
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#

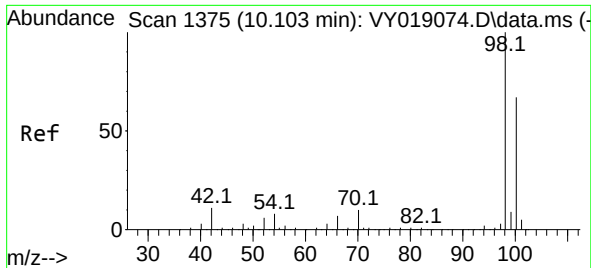


#38
Carbon Tetrachloride
Concen: 6.745 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.103 min
Lab File: VY019284.D
Acq: 27 Aug 2024 14:21



Tgt Ion: 117 Resp: 1290
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#

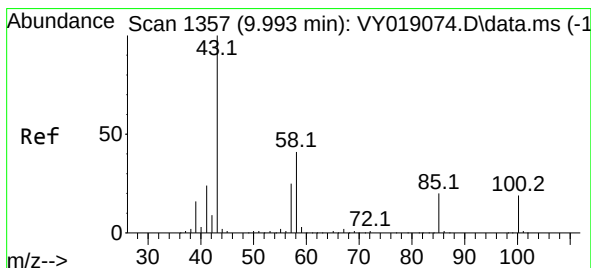
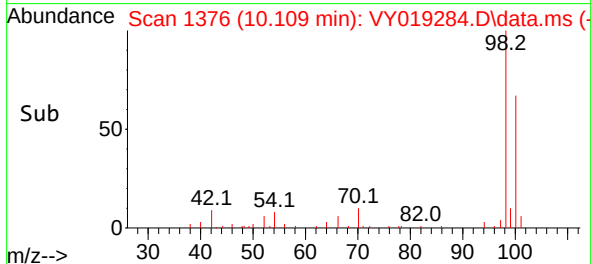
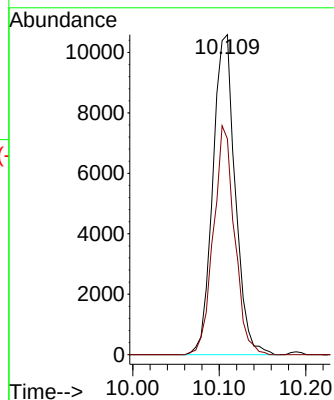
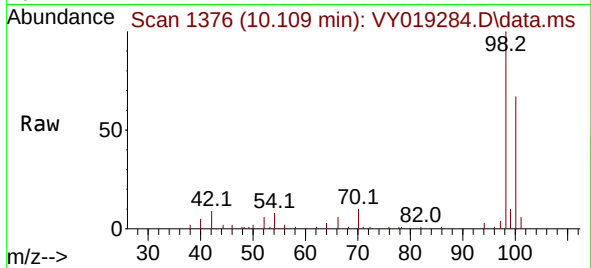




#50
Toluene-d8
Concen: 43.981 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019284.D
Acq: 27 Aug 2024 14:21

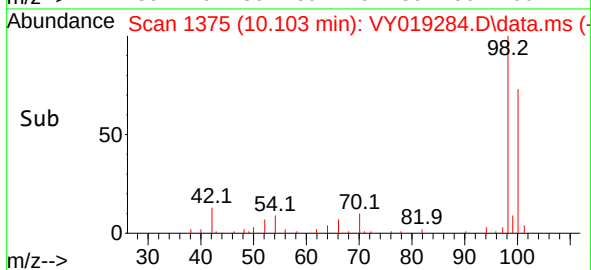
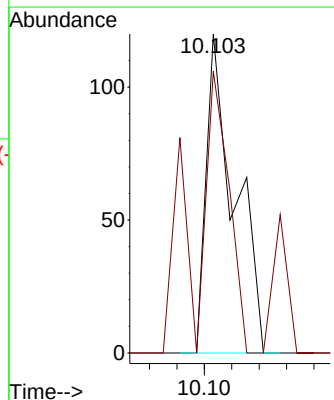
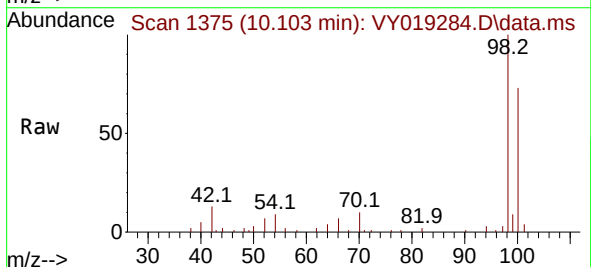
Instrument :
MSVOA_Y
ClientSampleId :

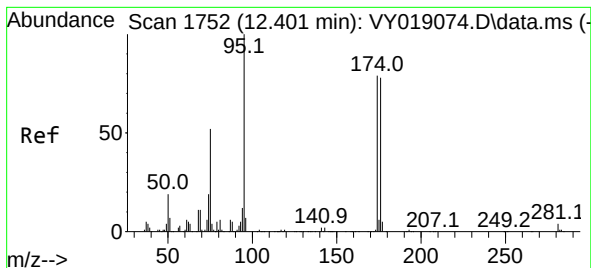
Tgt Ion: 98 Resp: 19020
Ion Ratio Lower Upper
98 100
100 67.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.096 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY019284.D
Acq: 27 Aug 2024 14:21

Tgt Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
58 105.8 35.7 53.5#

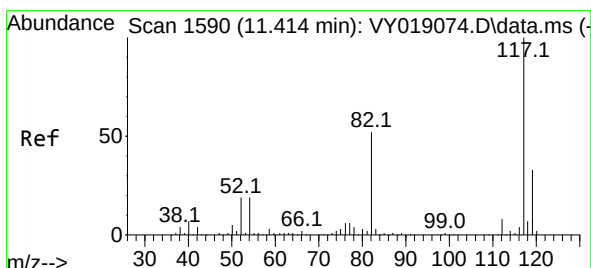
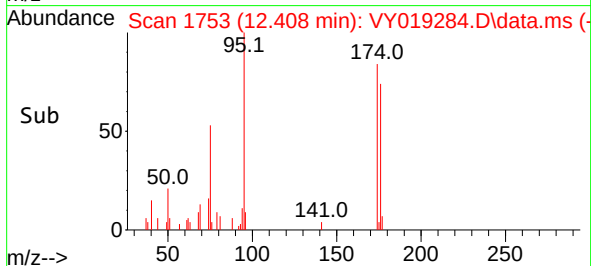
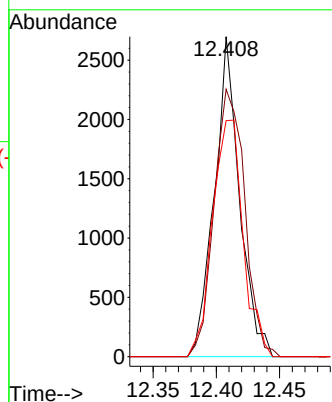
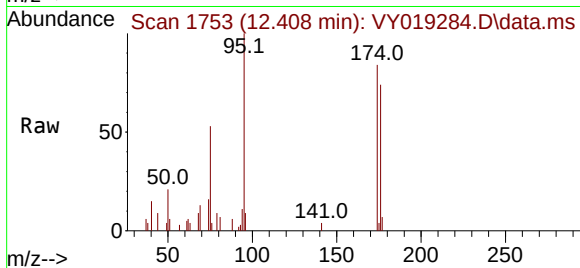




#62
4-Bromofluorobenzene
Concen: 25.247 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019284.D
Acq: 27 Aug 2024 14:21

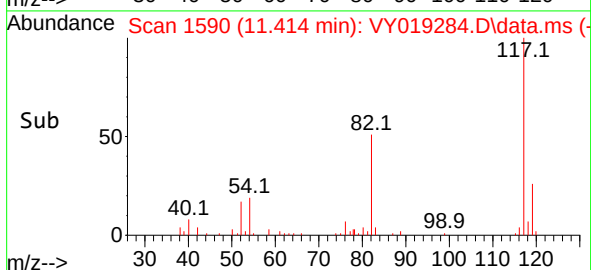
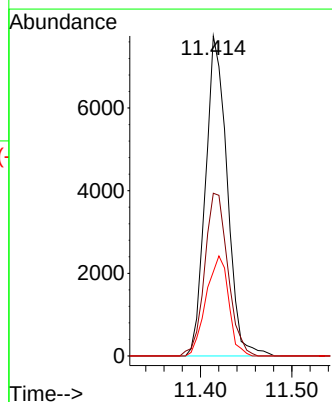
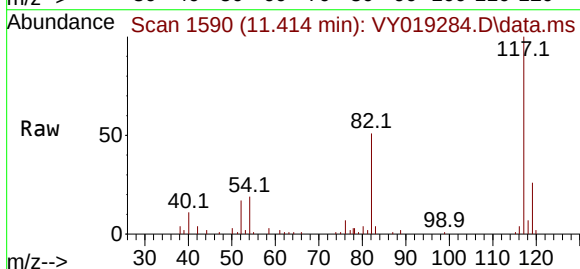
Instrument :
MSVOA_Y
ClientSampleId :

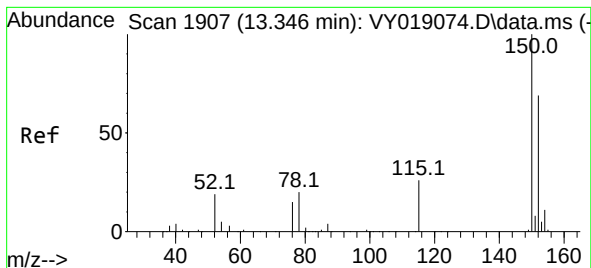
Tgt Ion: 95 Resp: 3722
Ion Ratio Lower Upper
95 100
174 102.0 0.0 175.6
176 90.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019284.D
Acq: 27 Aug 2024 14:21

Tgt Ion: 117 Resp: 12706
Ion Ratio Lower Upper
117 100
82 50.9 42.4 63.6
119 26.3 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY019284.D

Acq: 27 Aug 2024 14:21

Instrument :

MSVOA_Y

ClientSampleId :

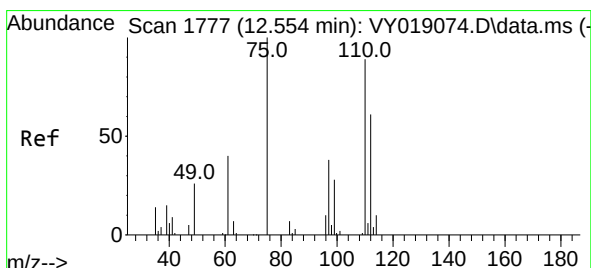
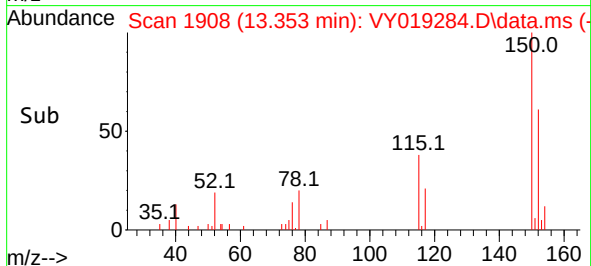
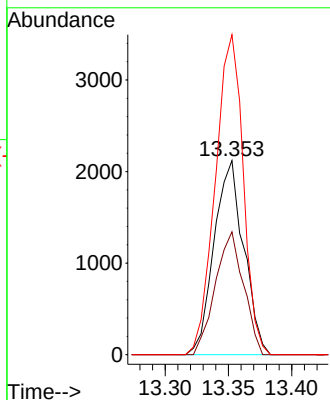
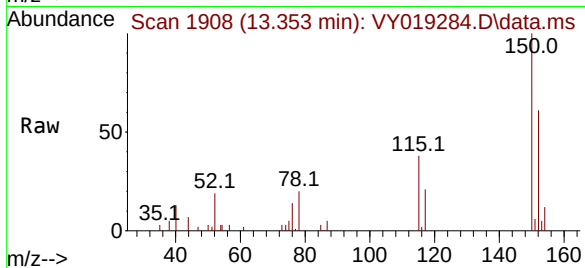
Tgt Ion:152 Resp: 3449

Ion Ratio Lower Upper

152 100

115 60.2 28.2 84.7

150 155.3 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 66.562 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019284.D

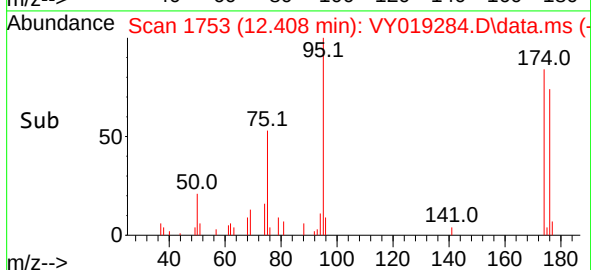
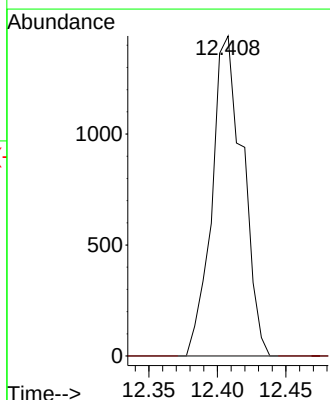
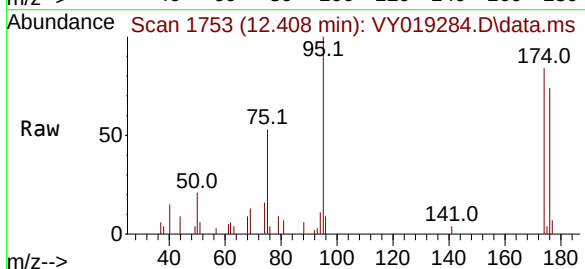
Acq: 27 Aug 2024 14:21

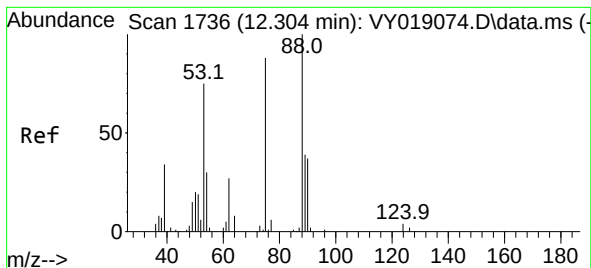
Tgt Ion: 75 Resp: 2264

Ion Ratio Lower Upper

75 100

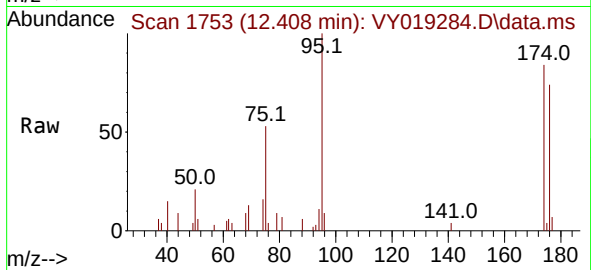
77 0.0 0.0 0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 164.386 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019284.D
Acq: 27 Aug 2024 14:21

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 2264
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

