

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091624\
 Data File : VY019569.D
 Acq On : 16 Sep 2024 16:16
 Operator : SY/MD
 Sample : P4002-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 17 02:15:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

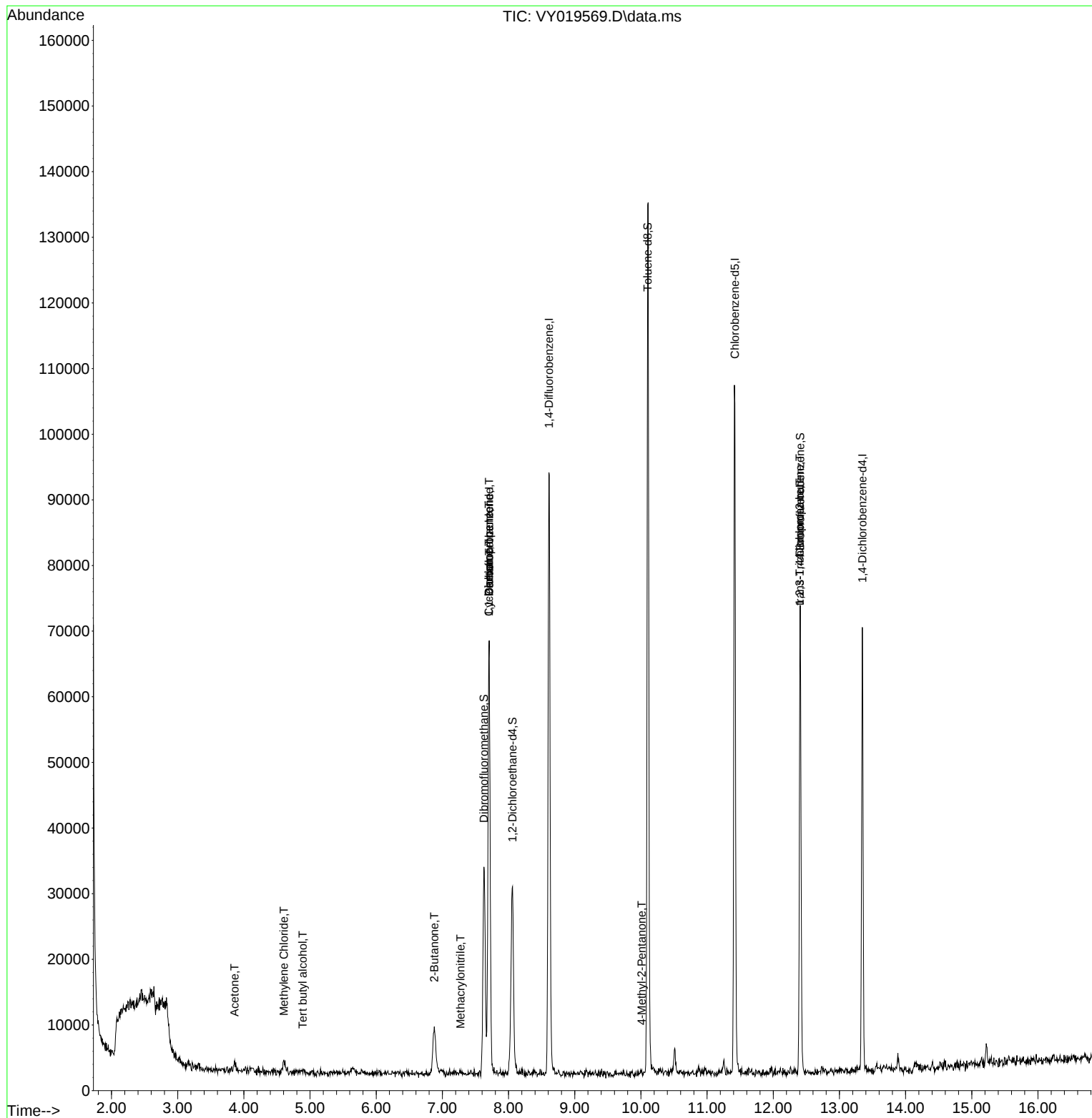
Internal Standards						
1) Pentafluorobenzene	7.707	168	48876	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	78224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	56360	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	15868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	21204	46.851	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.700%
35) Dibromofluoromethane	7.628	113	23526	53.044	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.080%
50) Toluene-d8	10.103	98	87901	53.583	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.160%
62) 4-Bromofluorobenzene	12.407	95	22089	35.019	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	70.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	27	Below Cal	#	43
11) Tert butyl alcohol	4.890	59	40	1.094	ug/l #	1
13) Acrolein	3.647	56	114	Below Cal	#	1
16) Acetone	3.860	43	1460	13.541	ug/l	98
20) Methylene Chloride	4.604	84	767	1.560	ug/l #	87
25) 2-Butanone	6.878	43	1175	7.662	ug/l #	41
31) Cyclohexane	7.701	56	1421	1.754	ug/l #	47
36) 1,1-Dichloropropene	7.701	75	4049	6.709	ug/l #	48
38) Carbon Tetrachloride	7.707	117	5127	7.534	ug/l #	23
41) Methacrylonitrile	7.274	41	259	1.437	ug/l #	6
51) 4-Methyl-2-Pentanone	10.011	43	464	1.420	ug/l #	31
76) 1,2,3-Trichloropropane	12.401	75	12319	82.828	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	12319	159.006	ug/l #	16

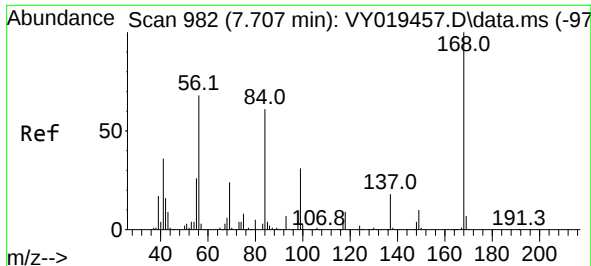
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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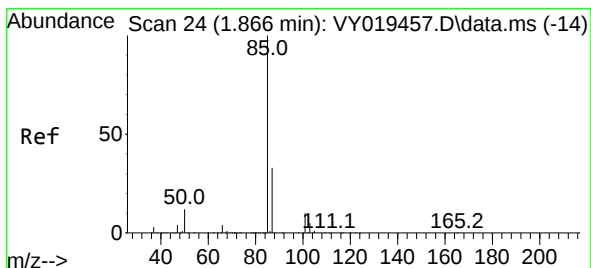
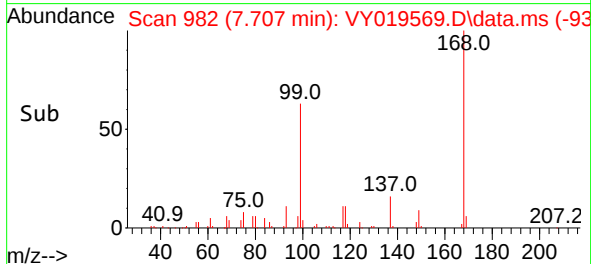
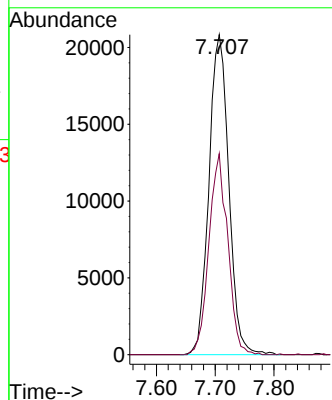
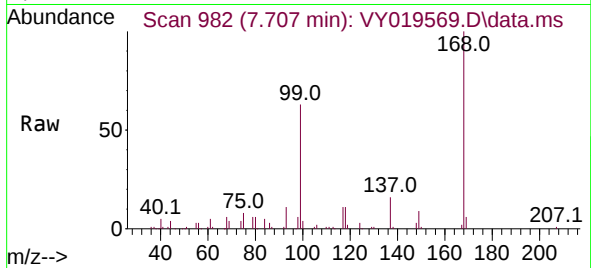




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019569.D
Acq: 16 Sep 2024 16:16

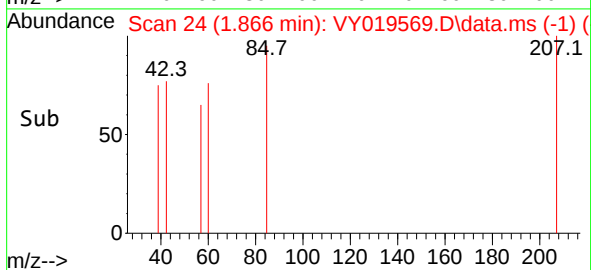
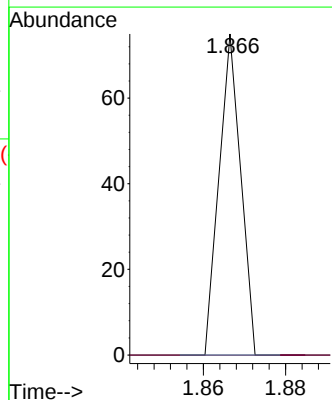
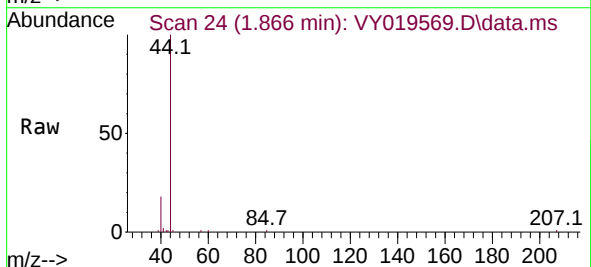
Instrument :
MSVOA_Y
ClientSampleId :

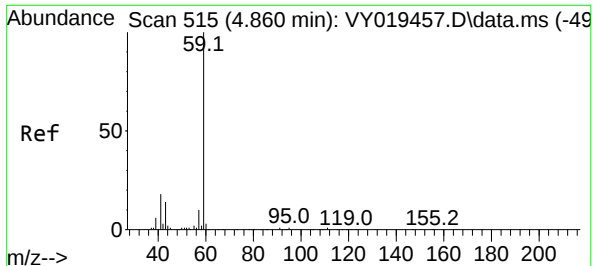
Tgt Ion:168 Resp: 48876
Ion Ratio Lower Upper
168 100
99 62.8 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.866 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY019569.D
Acq: 16 Sep 2024 16:16

Tgt Ion: 85 Resp: 27
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

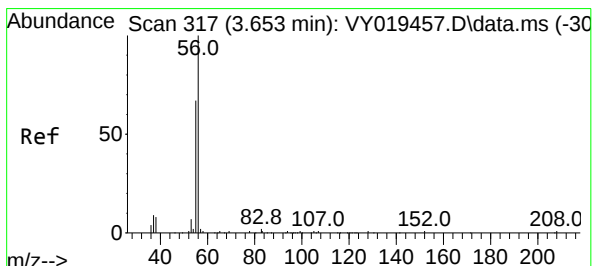
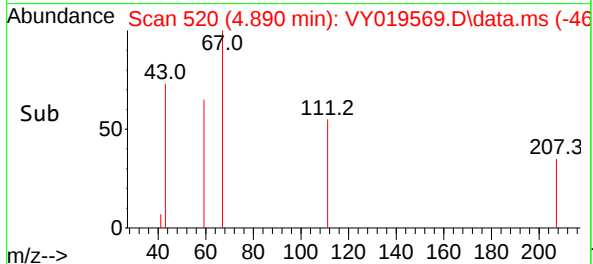
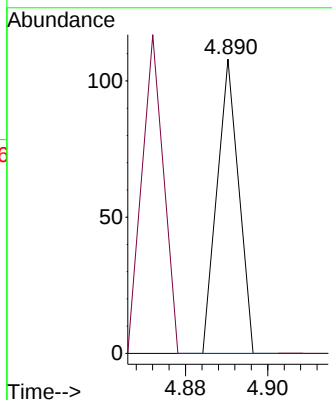
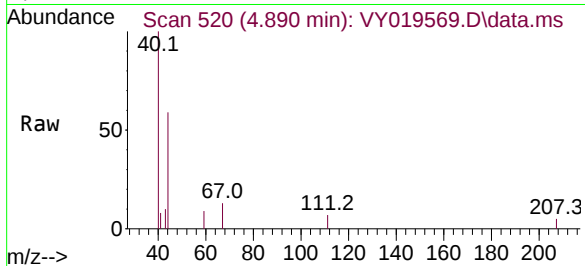




#11
Tert butyl alcohol
Concen: 1.094 ug/l
RT: 4.890 min Scan# 51
Delta R.T. 0.030 min
Lab File: VY019569.D
Acq: 16 Sep 2024 16:16

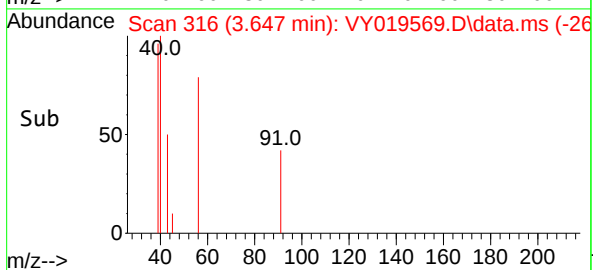
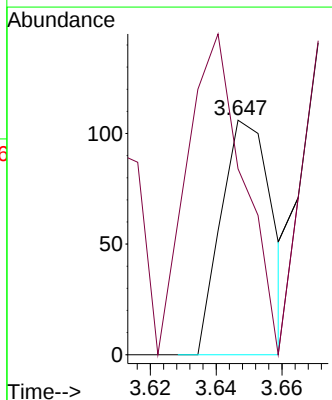
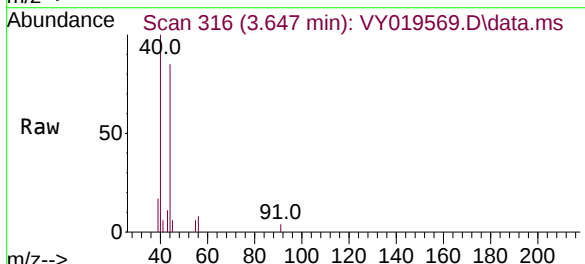
Instrument :
MSVOA_Y
ClientSampleId :

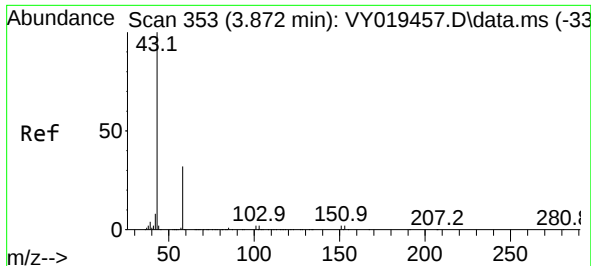
Tgt Ion: 59 Resp: 40
Ion Ratio Lower Upper
59 100
57 107.5 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.647 min Scan# 316
Delta R.T. -0.006 min
Lab File: VY019569.D
Acq: 16 Sep 2024 16:16

Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 151.8 55.7 83.5#

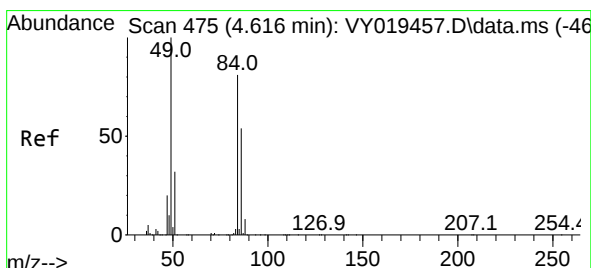
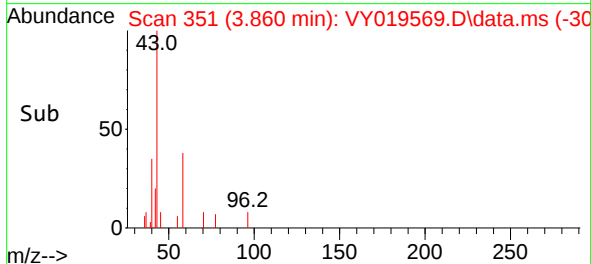
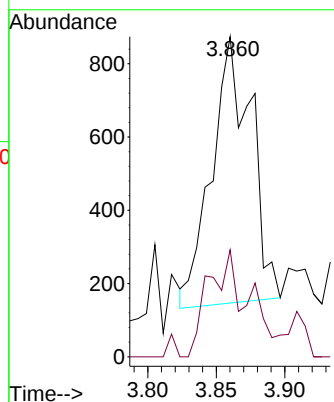
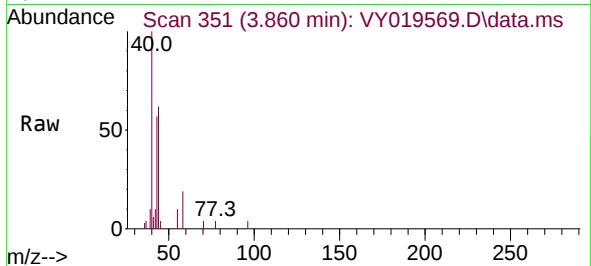




#16
Acetone
Concen: 13.541 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY019569.D
Acq: 16 Sep 2024 16:16

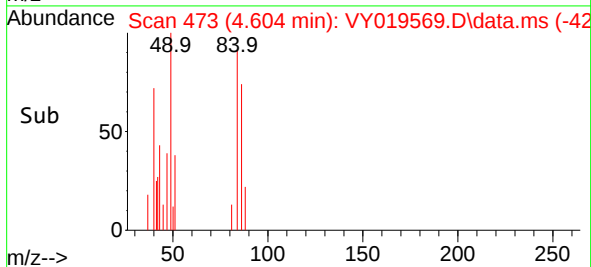
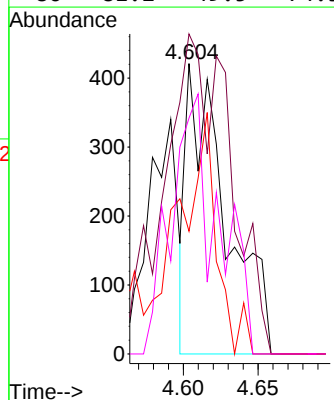
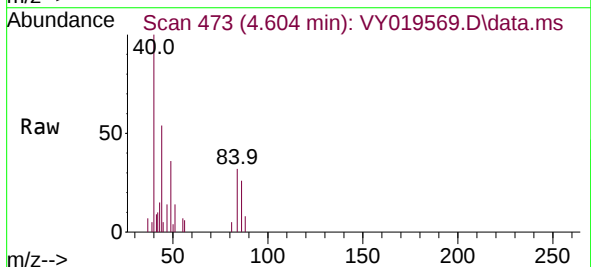
Instrument :
MSVOA_Y
ClientSampleId :

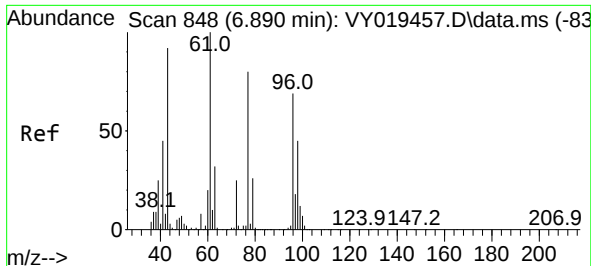
Tgt Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
58 41.0 31.7 47.5



#20
Methylene Chloride
Concen: 1.560 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY019569.D
Acq: 16 Sep 2024 16:16

Tgt Ion: 84 Resp: 767
Ion Ratio Lower Upper
84 100
49 110.2 84.4 126.6
51 42.3 26.0 39.0#
86 81.2 49.5 74.3#





#25

2-Butanone

Concen: 7.662 ug/l

RT: 6.878 min Scan# 848

Delta R.T. -0.012 min

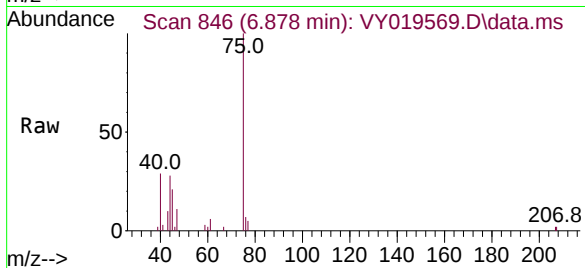
Lab File: VY019569.D

Acq: 16 Sep 2024 16:16

Instrument :

MSVOA_Y

ClientSampleId :

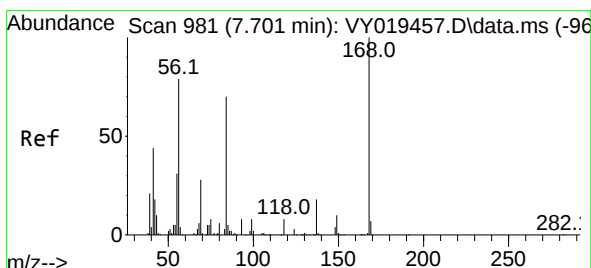
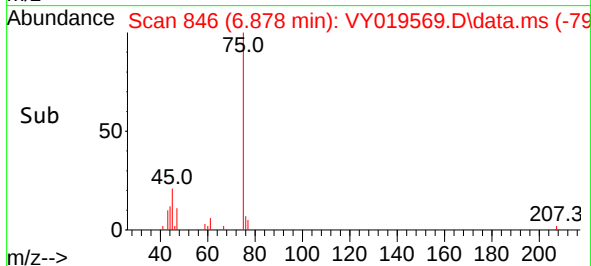
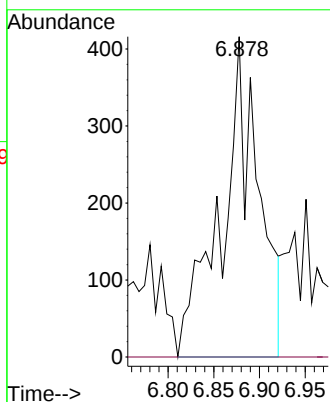


Tgt Ion: 43 Resp: 1175

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.754 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY019569.D

Acq: 16 Sep 2024 16:16

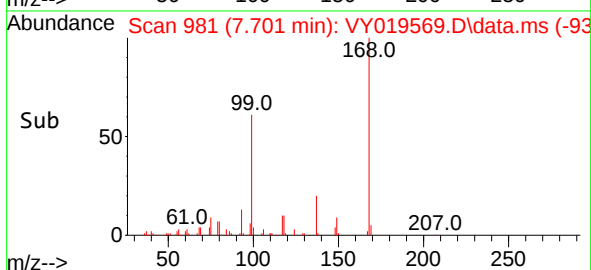
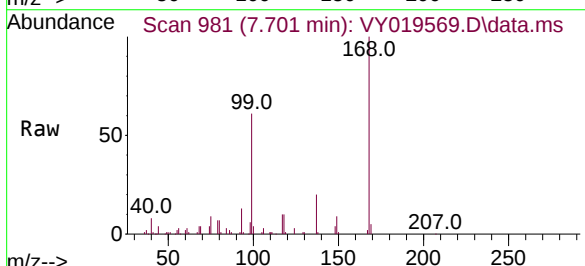
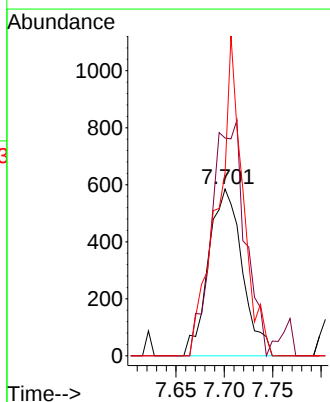
Tgt Ion: 56 Resp: 1421

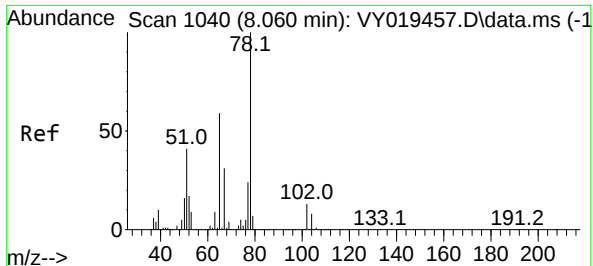
Ion Ratio Lower Upper

56 100

69 130.6 28.7 43.1#

84 109.9 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 46.851 ug/l

RT: 8.060 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY019569.D

Acq: 16 Sep 2024 16:16

Instrument :

MSVOA_Y

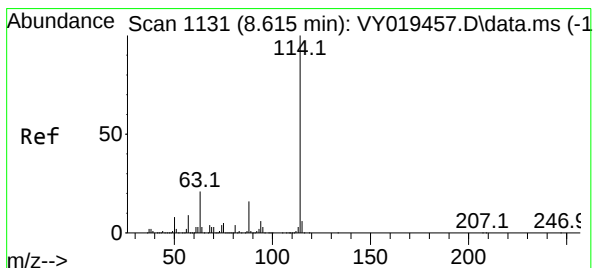
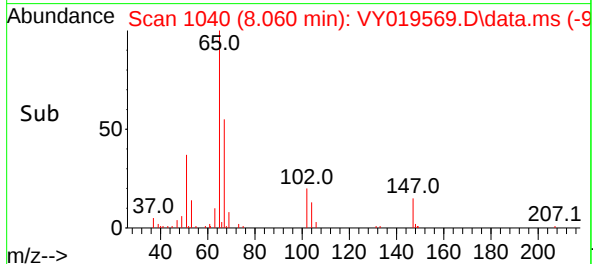
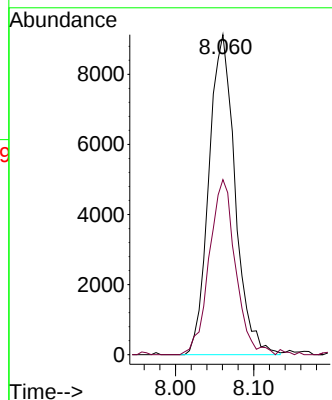
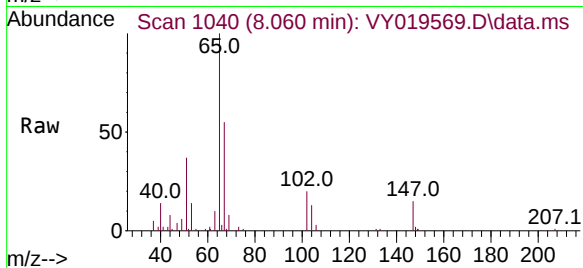
ClientSampleId :

Tgt Ion: 65 Resp: 21204

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019569.D

Acq: 16 Sep 2024 16:16

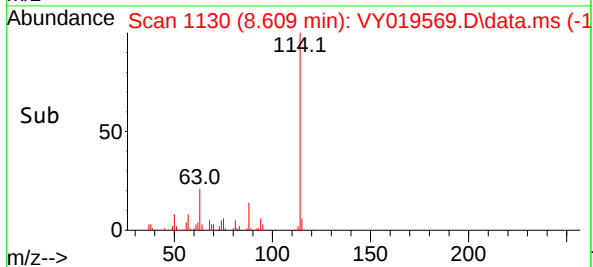
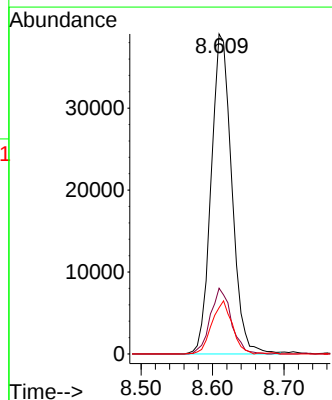
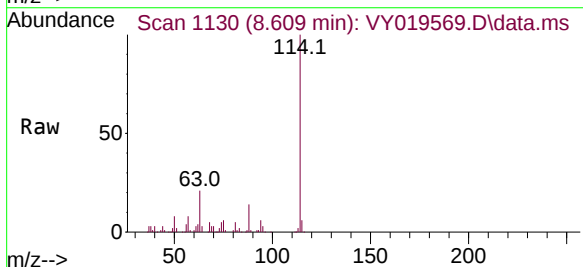
Tgt Ion: 114 Resp: 78224

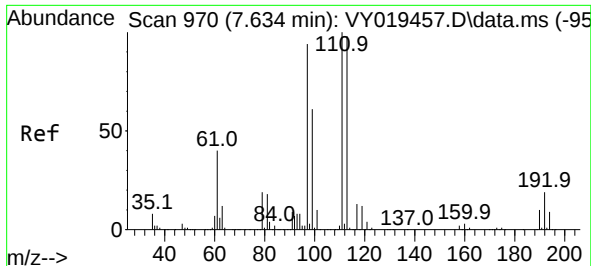
Ion Ratio Lower Upper

114 100

63 20.6 0.0 35.0

88 14.5 0.0 27.2





#35

Dibromofluoromethane

Concen: 53.044 ug/l

RT: 7.628 min Scan# 90

Delta R.T. -0.006 min

Lab File: VY019569.D

Acq: 16 Sep 2024 16:16

Instrument :

MSVOA_Y

ClientSampleId :

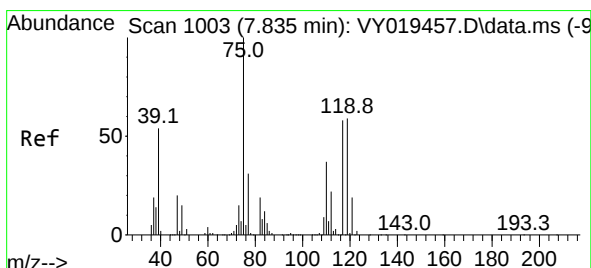
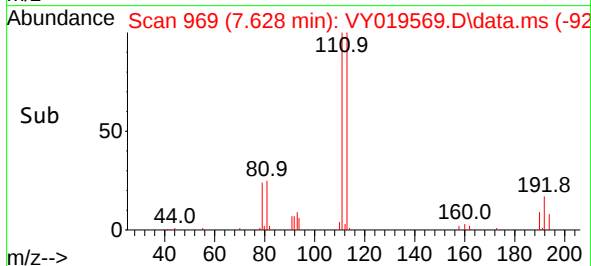
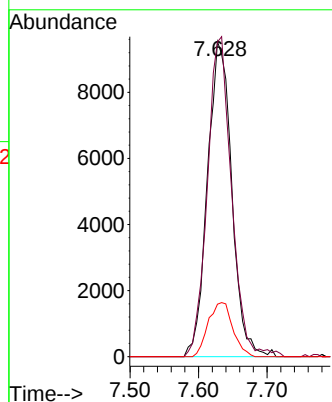
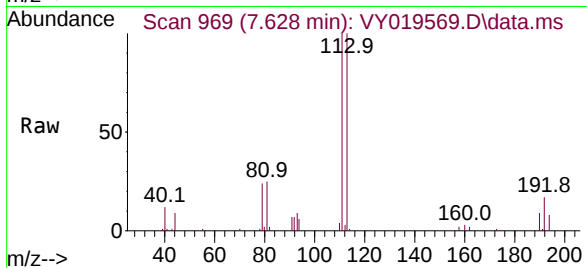
Tgt Ion:113 Resp: 23526

Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.4

192 17.4 15.9 23.9



#36

1,1-Dichloropropene

Concen: 6.709 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY019569.D

Acq: 16 Sep 2024 16:16

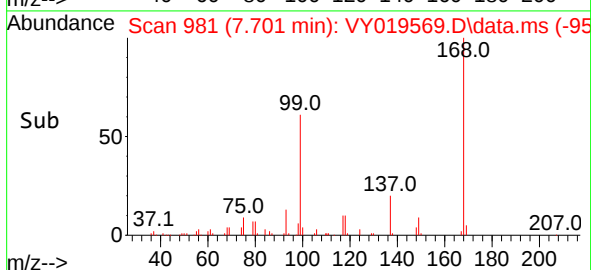
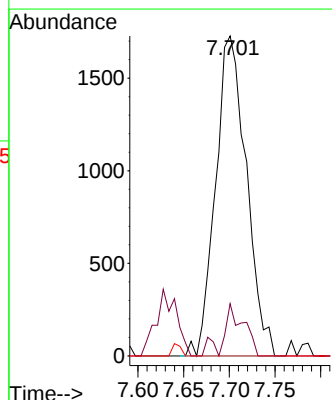
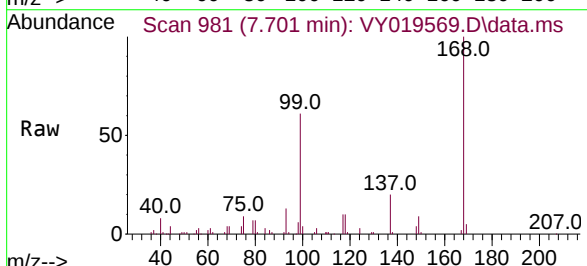
Tgt Ion: 75 Resp: 4049

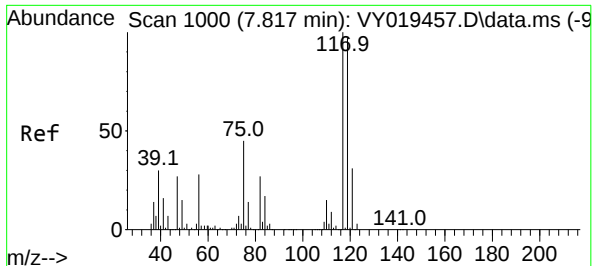
Ion Ratio Lower Upper

75 100

110 9.2 19.0 57.0#

77 0.0 25.3 37.9#

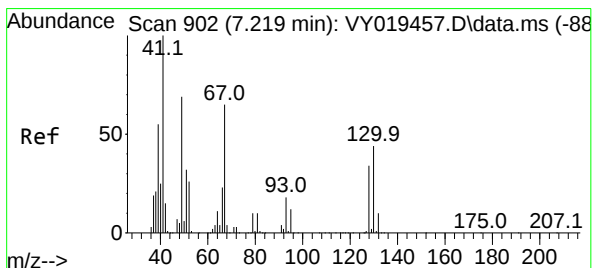
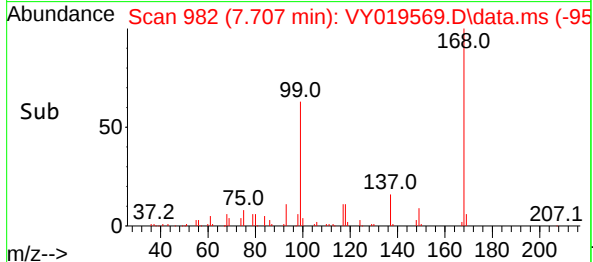
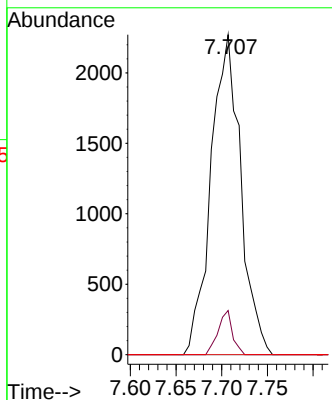
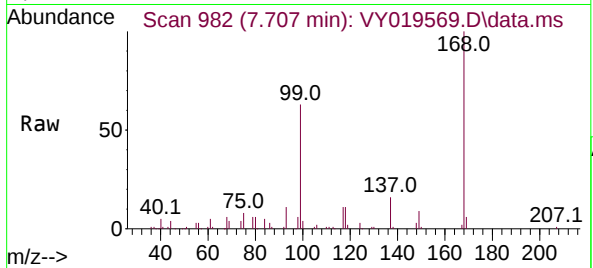




#38
Carbon Tetrachloride
Concen: 7.534 ug/l
RT: 7.707 min Scan# 910
Delta R.T. -0.110 min
Lab File: VY019569.D
Acq: 16 Sep 2024 16:16

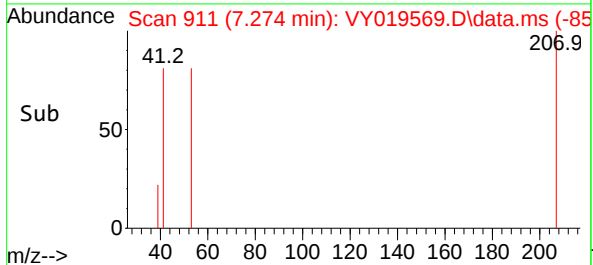
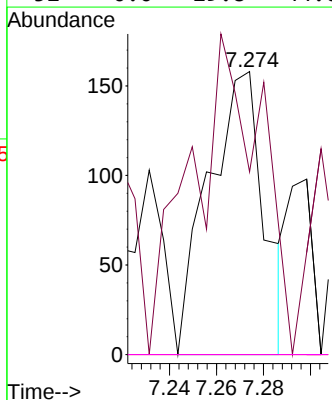
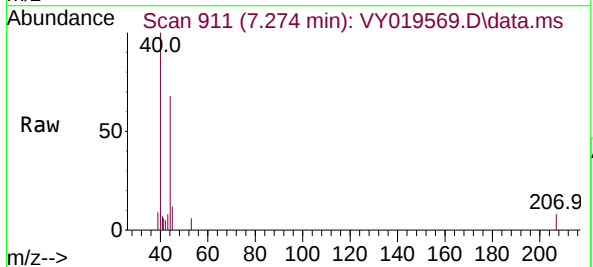
Instrument :
MSVOA_Y
ClientSampleId :

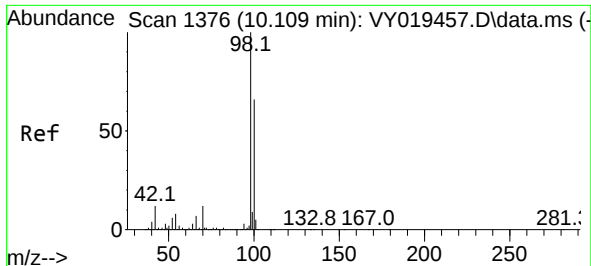
Tgt Ion:	117	Resp:	5127
Ion	Ratio	Lower	Upper
117	100		
119	13.8	75.8	113.6#
121	0.0	24.0	36.0#



#41
Methacrylonitrile
Concen: 1.437 ug/l
RT: 7.274 min Scan# 911
Delta R.T. 0.055 min
Lab File: VY019569.D
Acq: 16 Sep 2024 16:16

Tgt Ion:	41	Resp:	259
Ion	Ratio	Lower	Upper
41	100		
39	142.5	48.0	72.0#
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#

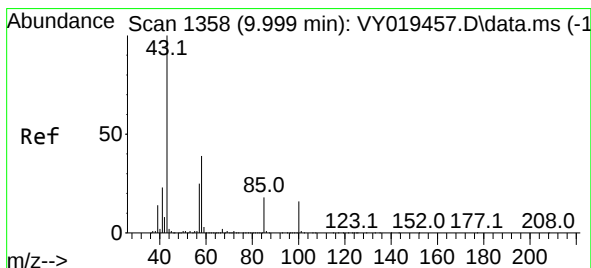
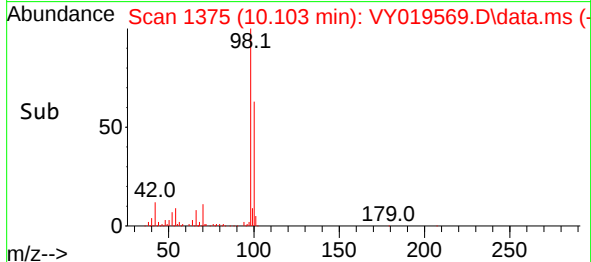
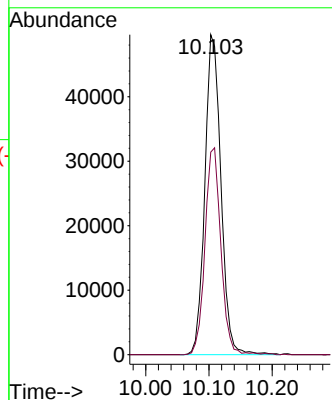
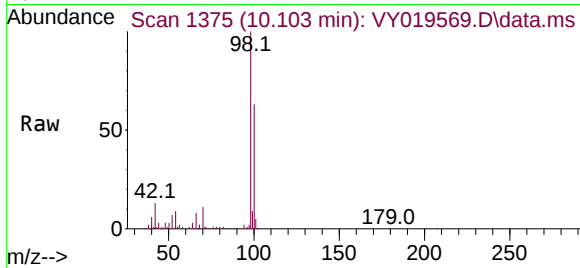




#50
Toluene-d8
Concen: 53.583 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019569.D
Acq: 16 Sep 2024 16:16

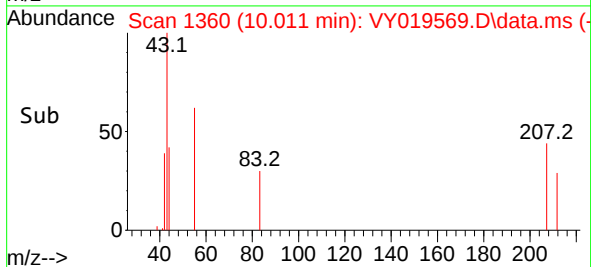
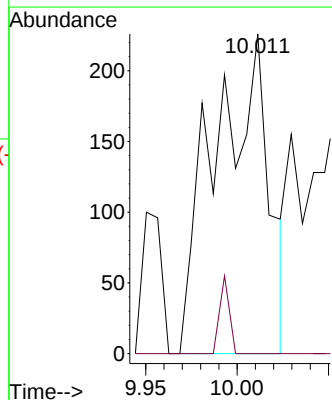
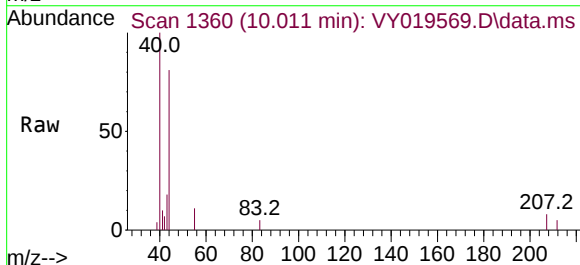
Instrument :
MSVOA_Y
ClientSampleId :

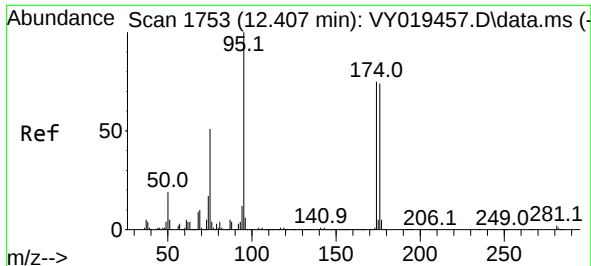
Tgt Ion: 98 Resp: 87901
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.420 ug/l
RT: 10.011 min Scan# 1360
Delta R.T. 0.012 min
Lab File: VY019569.D
Acq: 16 Sep 2024 16:16

Tgt Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#

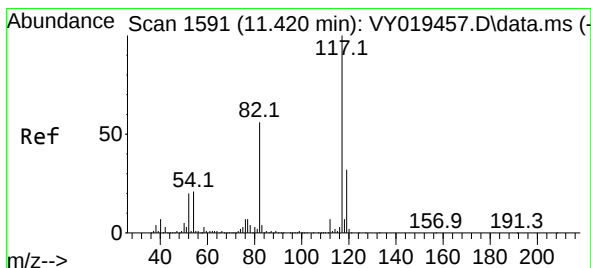
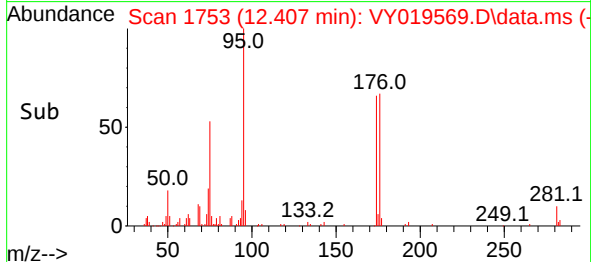
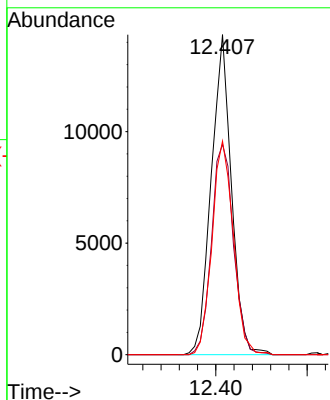
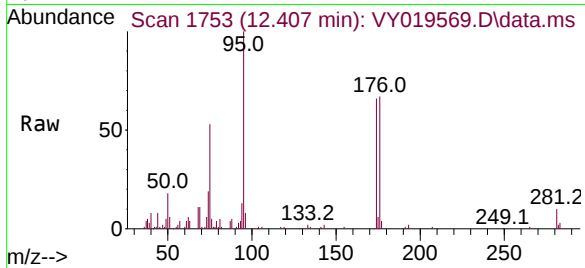




#62
4-Bromofluorobenzene
Concen: 35.019 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019569.D
Acq: 16 Sep 2024 16:16

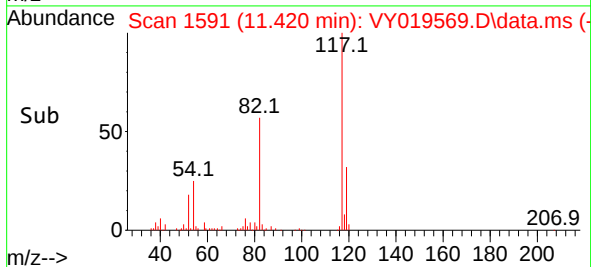
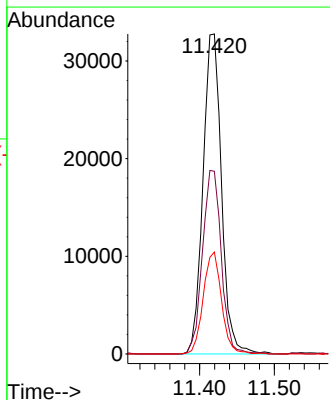
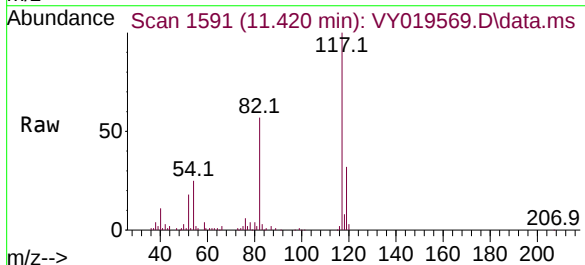
Instrument :
MSVOA_Y
ClientSampleId :

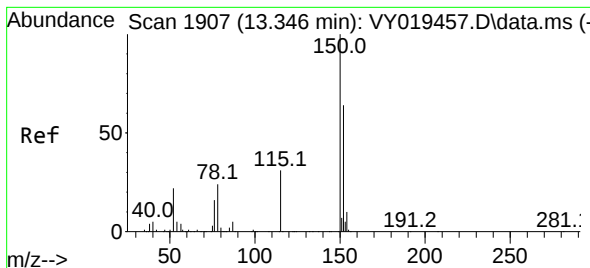
Tgt Ion: 95 Resp: 22089
Ion Ratio Lower Upper
95 100
174 71.5 0.0 175.6
176 70.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY019569.D
Acq: 16 Sep 2024 16:16

Tgt Ion: 117 Resp: 56360
Ion Ratio Lower Upper
117 100
82 57.1 42.4 63.6
119 31.9 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019569.D

Acq: 16 Sep 2024 16:16

Instrument :

MSVOA_Y

ClientSampleId :

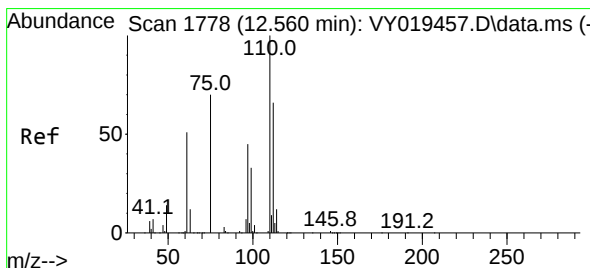
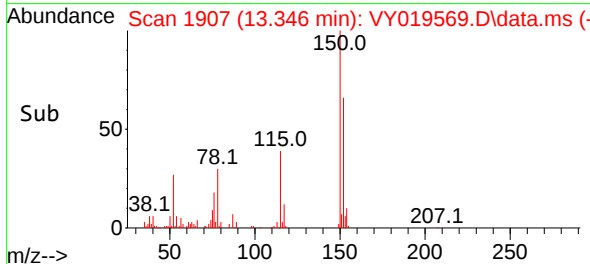
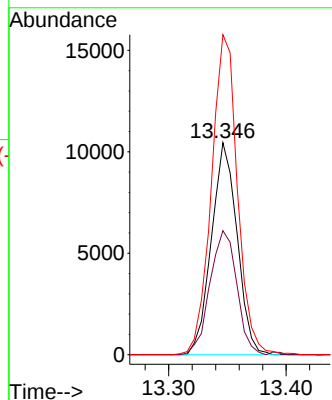
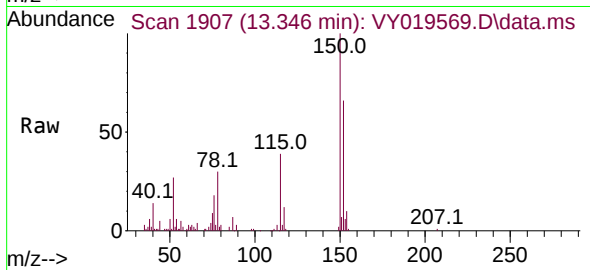
Tgt Ion:152 Resp: 15868

Ion Ratio Lower Upper

152 100

115 61.1 28.2 84.7

150 153.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 82.828 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.159 min

Lab File: VY019569.D

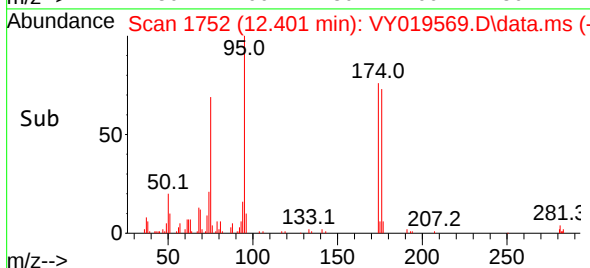
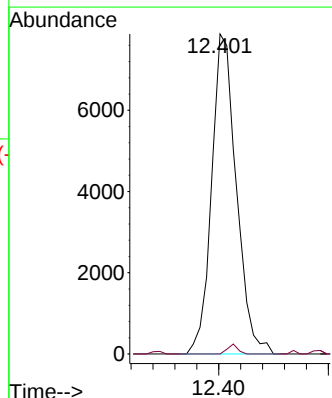
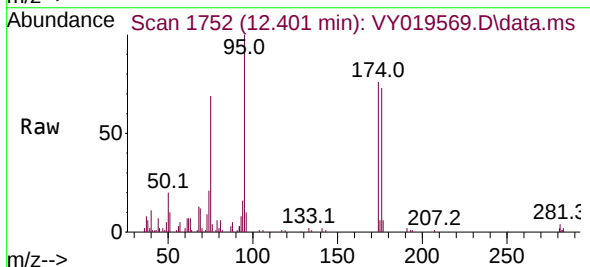
Acq: 16 Sep 2024 16:16

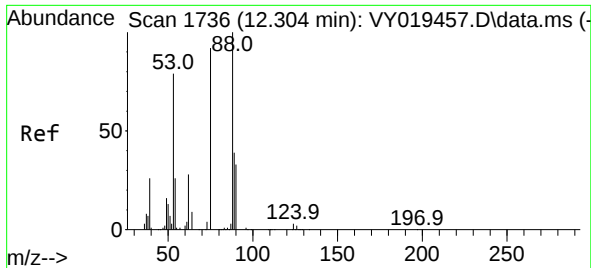
Tgt Ion: 75 Resp: 12319

Ion Ratio Lower Upper

75 100

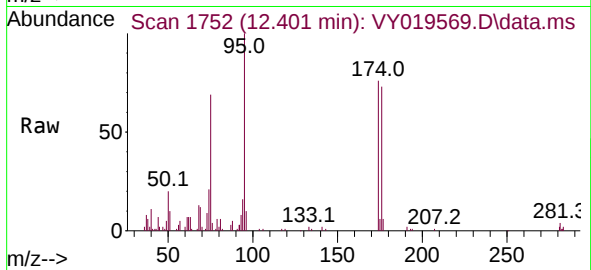
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 159.006 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019569.D
 Acq: 16 Sep 2024 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	12319
Ion	Ratio	Lower	Upper
75	100		
53	0.3	66.8	100.2#
89	0.3	35.8	53.6#

