

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082224\
 Data File : VY019224.D
 Acq On : 22 Aug 2024 16:45
 Operator : SY/MD
 Sample : P3671-04
 Misc : 4.73g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

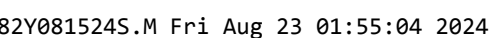
Quant Time: Aug 23 01:54:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

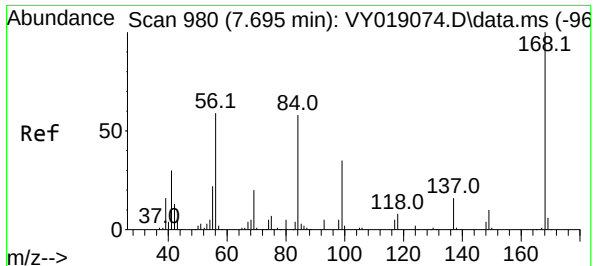
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.701	168	107787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	145889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	119363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	25907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	39635	36.683	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.360%
35) Dibromofluoromethane	7.628	113	50955	53.417	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.840%
50) Toluene-d8	10.103	98	185552	54.053	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	108.100%
62) 4-Bromofluorobenzene	12.408	95	35428	30.274	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	60.540%
Target Compounds						
					Qvalue	
5) Bromomethane	2.604	94	327	Below Cal		94
6) Chloroethane	2.769	64	27	Below Cal	#	42
11) Tert butyl alcohol	4.848	59	141	Below Cal	#	88
16) Acetone	3.860	43	274	1.367	ug/l #	36
20) Methylene Chloride	4.598	84	3189	Below Cal	#	93
31) Cyclohexane	7.695	56	2471	Below Cal	#	50
36) 1,1-Dichloropropene	7.701	75	7935	6.058	ug/l #	50
38) Carbon Tetrachloride	7.701	117	10652	7.017	ug/l #	16
51) 4-Methyl-2-Pentanone	10.097	43	932	1.496	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	19128	74.868	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	19128	184.899	ug/l #	16

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

Quant Time: Aug 23 01:54:55 2024
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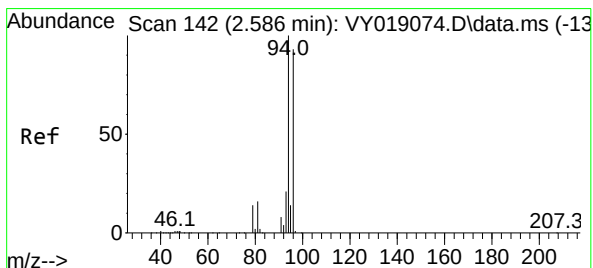
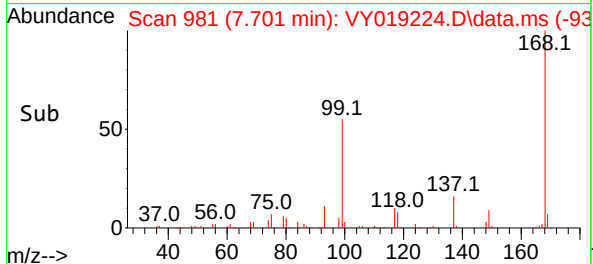
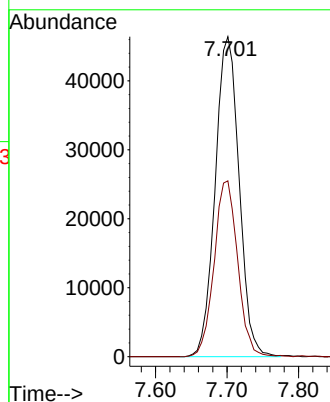
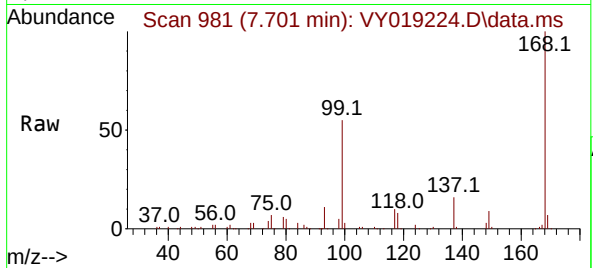




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019224.D
Acq: 22 Aug 2024 16:45

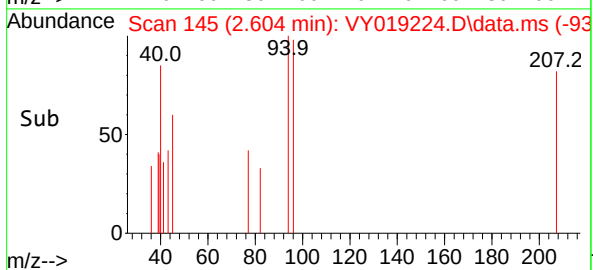
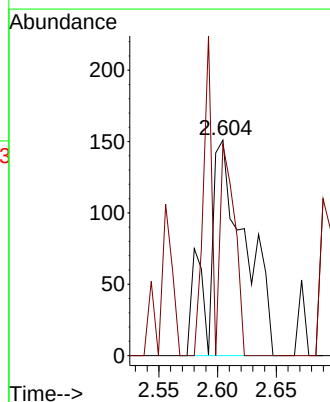
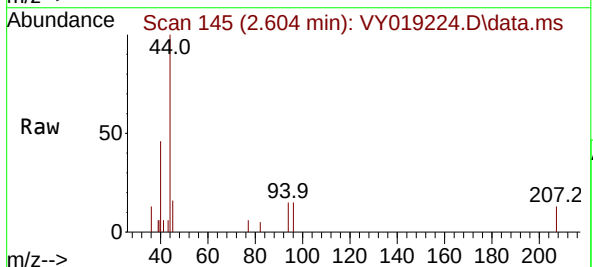
Instrument :
MSVOA_Y
ClientSampleId :

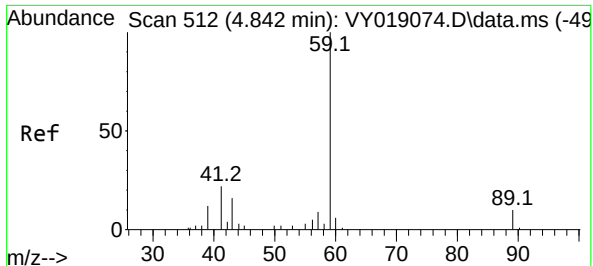
Tgt Ion:168 Resp: 107787
Ion Ratio Lower Upper
168 100
99 55.0 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.604 min Scan# 145
Delta R.T. 0.018 min
Lab File: VY019224.D
Acq: 22 Aug 2024 16:45

Tgt Ion: 94 Resp: 327
Ion Ratio Lower Upper
94 100
96 98.0 74.1 111.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.848 min Scan# 512

Delta R.T. 0.006 min

Lab File: VY019224.D

Acq: 22 Aug 2024 16:45

Instrument :

MSVOA_Y

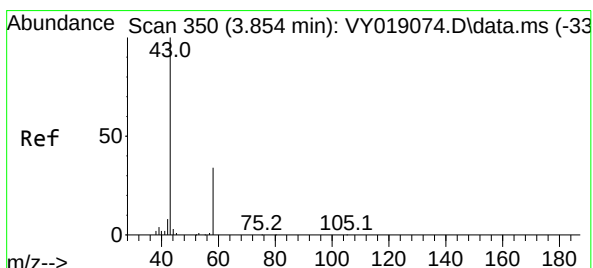
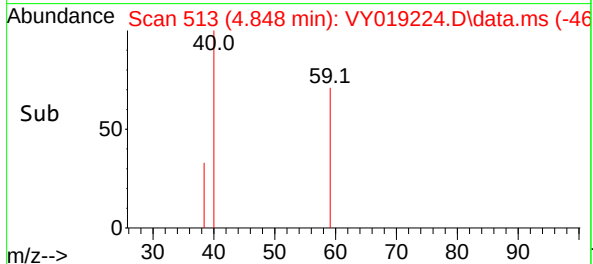
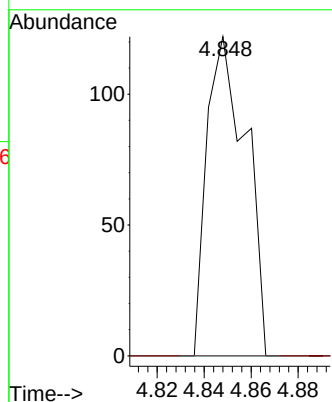
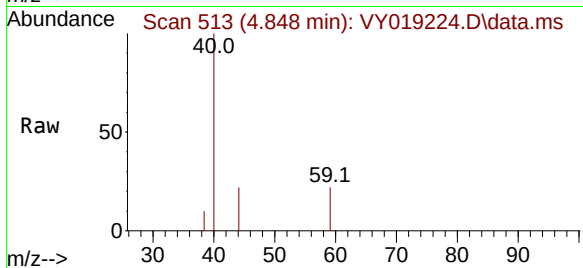
ClientSampleId :

Tgt Ion: 59 Resp: 141

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 1.367 ug/l

RT: 3.860 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY019224.D

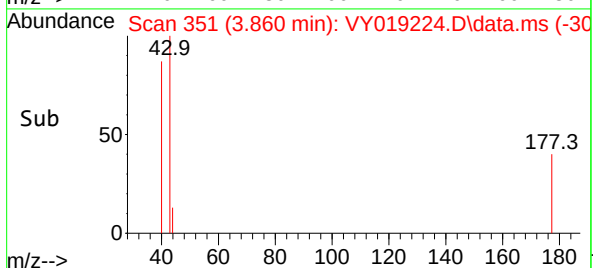
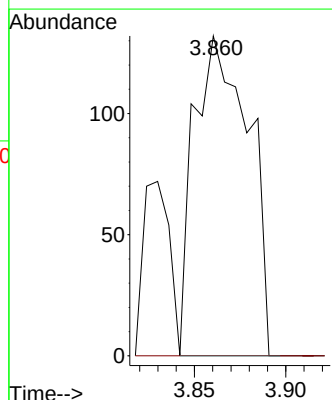
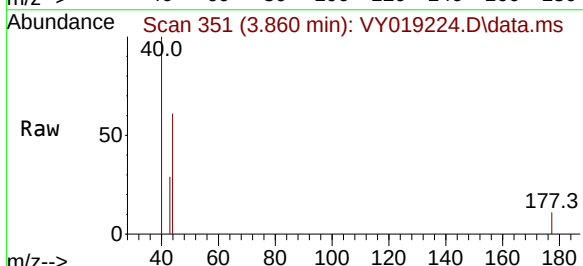
Acq: 22 Aug 2024 16:45

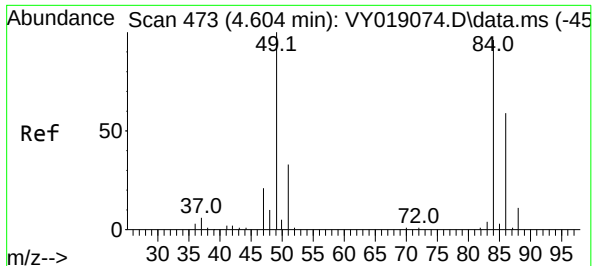
Tgt Ion: 43 Resp: 274

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.598 min Scan# 41

Delta R.T. -0.006 min

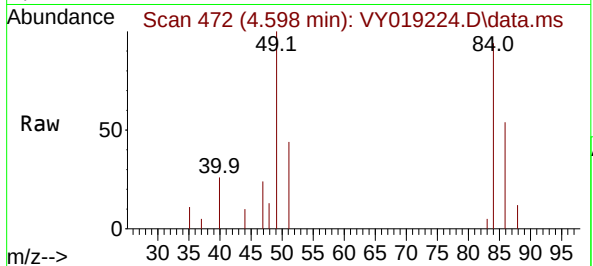
Lab File: VY019224.D

Acq: 22 Aug 2024 16:45

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 3189

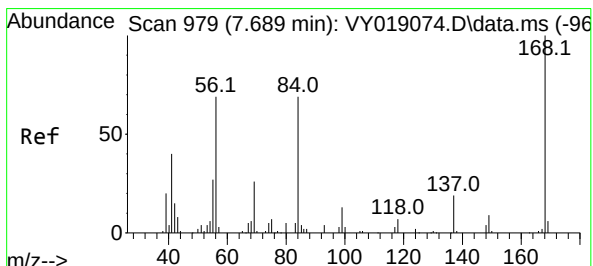
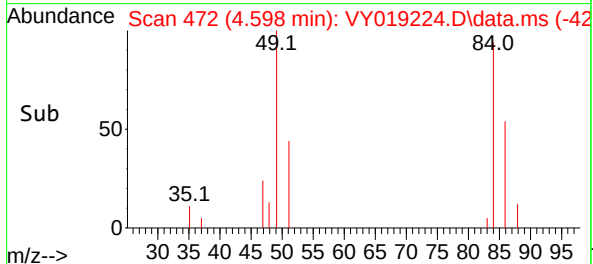
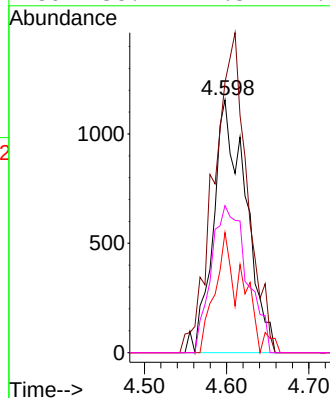
Ion Ratio Lower Upper

84 100

49 106.9 84.4 126.6

51 47.5 26.0 39.0#

86 58.1 49.5 74.3



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY019224.D

Acq: 22 Aug 2024 16:45

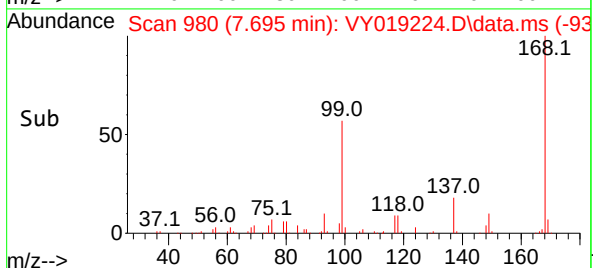
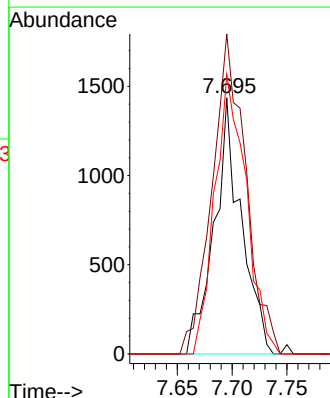
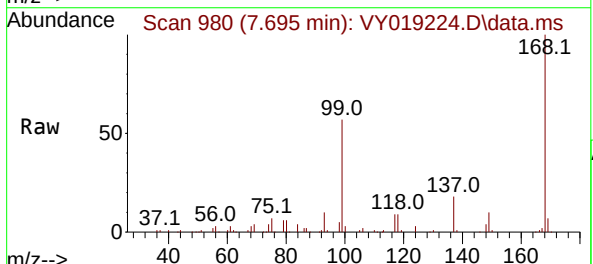
Tgt Ion: 56 Resp: 2471

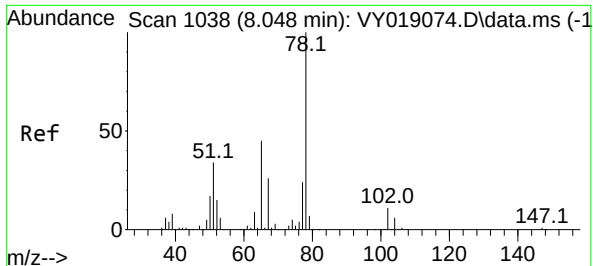
Ion Ratio Lower Upper

56 100

69 124.9 28.7 43.1#

84 109.1 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 36.683 ug/l

RT: 8.055 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY019224.D

Acq: 22 Aug 2024 16:45

Instrument :

MSVOA_Y

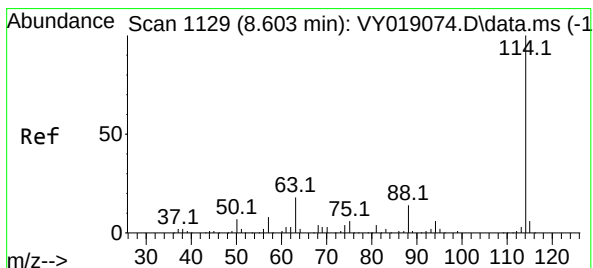
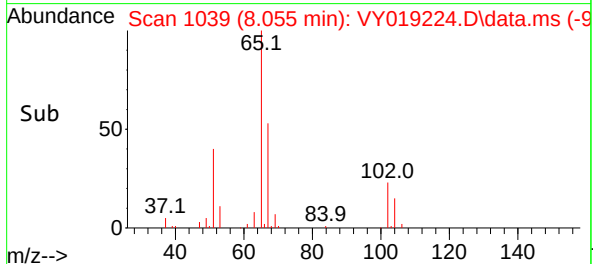
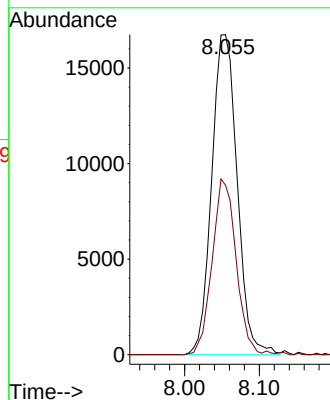
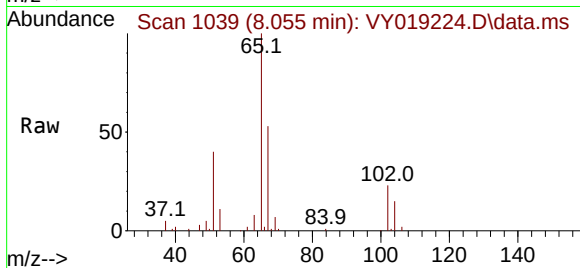
ClientSampleId :

Tgt Ion: 65 Resp: 39635

Ion Ratio Lower Upper

65 100

67 51.4 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: VY019224.D

Acq: 22 Aug 2024 16:45

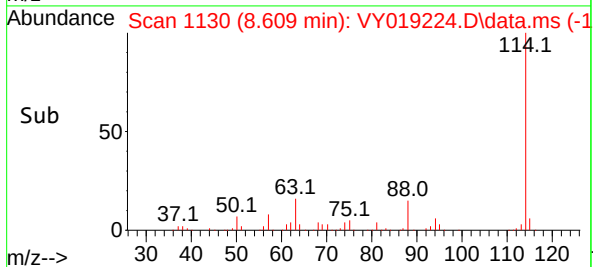
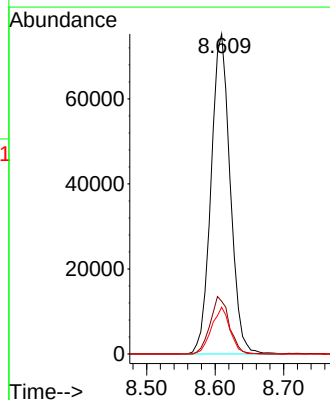
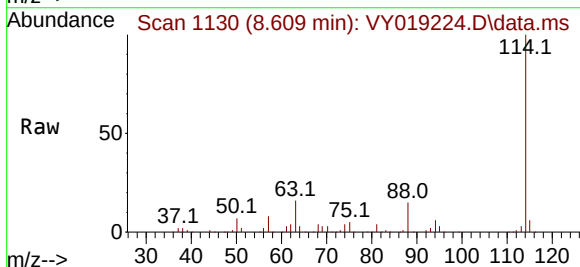
Tgt Ion: 114 Resp: 145889

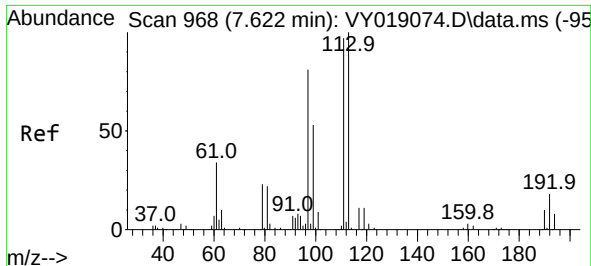
Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.0

88 14.6 0.0 27.2

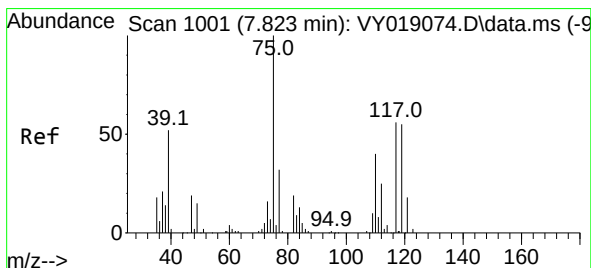
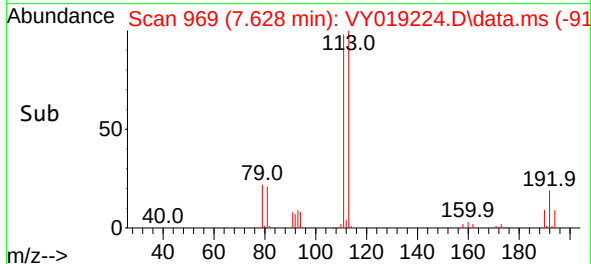
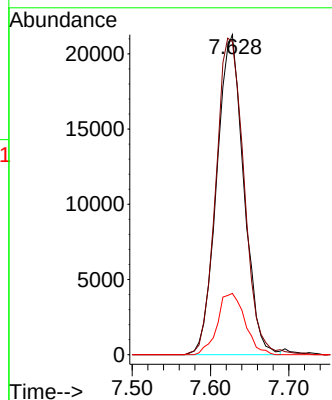
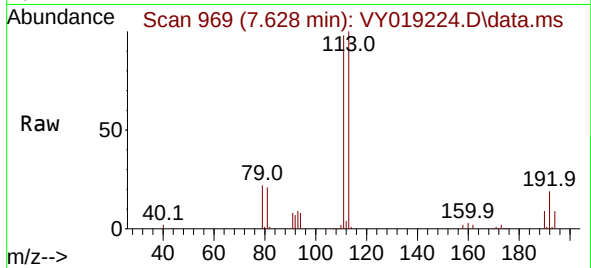




#35
Dibromofluoromethane
Concen: 53.417 ug/l
RT: 7.628 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY019224.D
Acq: 22 Aug 2024 16:45

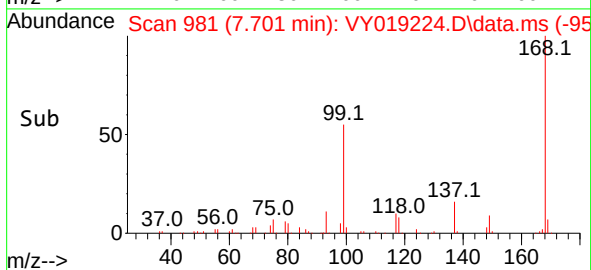
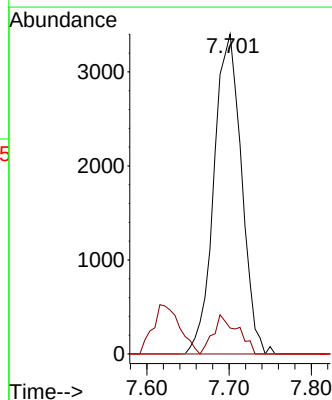
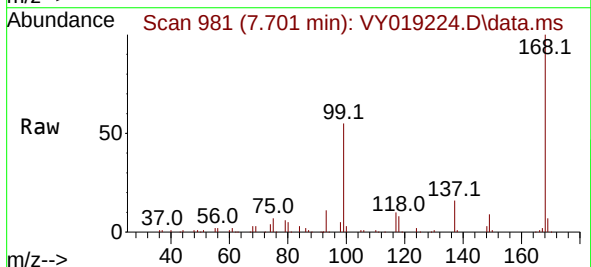
Instrument :
MSVOA_Y
ClientSampleId :

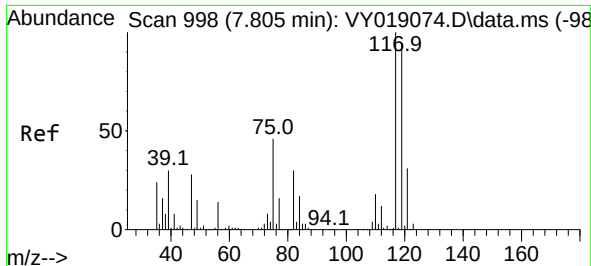
Tgt Ion:113 Resp: 50955
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 19.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 6.058 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019224.D
Acq: 22 Aug 2024 16:45

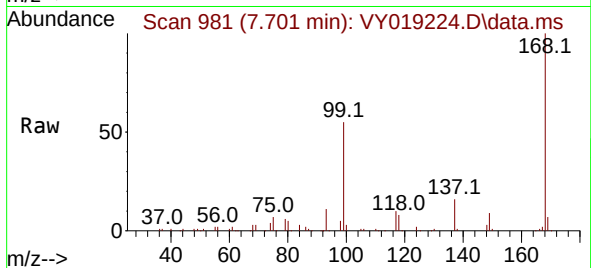
Tgt Ion: 75 Resp: 7935
Ion Ratio Lower Upper
75 100
110 10.9 19.0 57.0#
77 0.0 25.3 37.9#



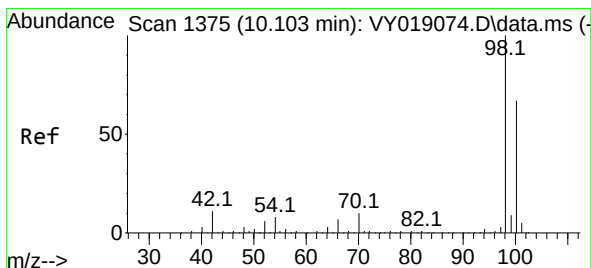
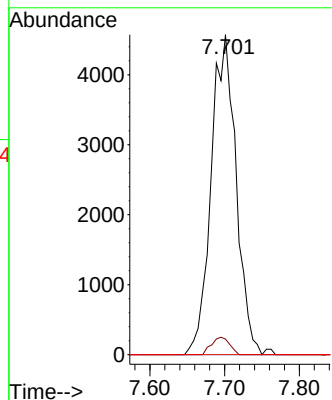
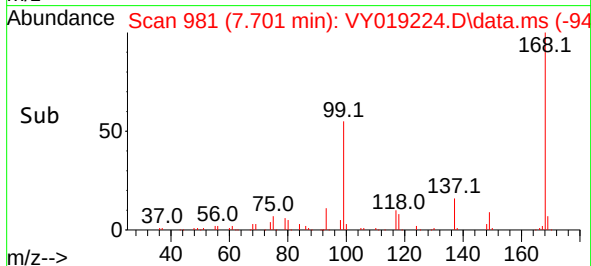


#38
Carbon Tetrachloride
Concen: 7.017 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019224.D
Acq: 22 Aug 2024 16:45

Instrument :
MSVOA_Y
ClientSampleId :

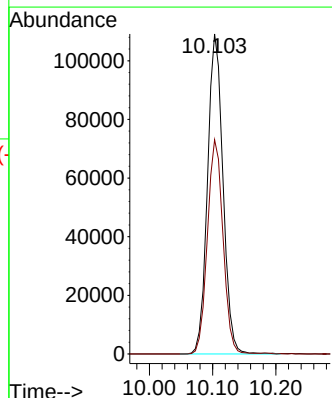
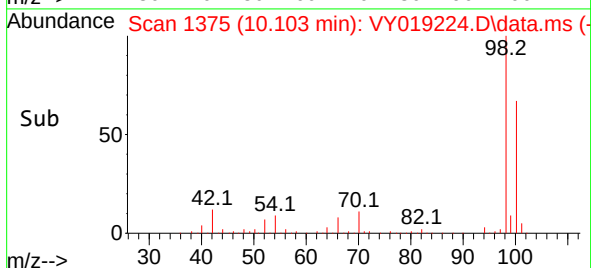
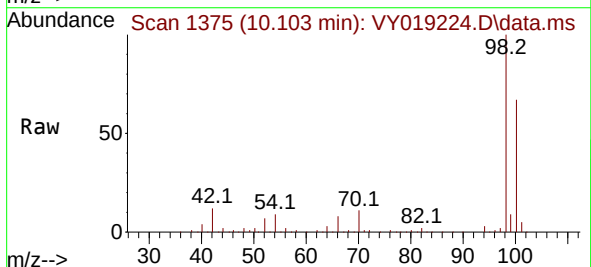


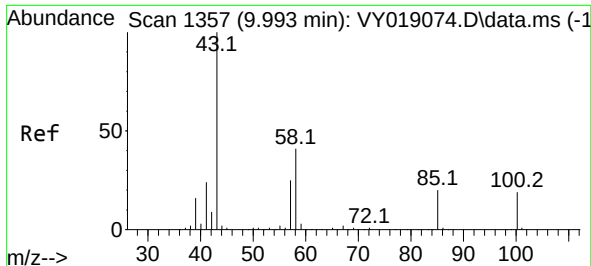
Tgt Ion:117 Resp: 10652
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 54.053 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019224.D
Acq: 22 Aug 2024 16:45

Tgt Ion: 98 Resp: 185552
Ion Ratio Lower Upper
98 100
100 67.5 52.0 78.0

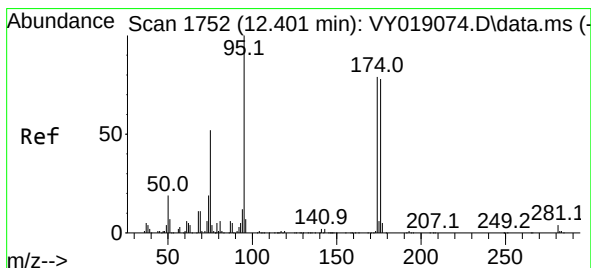
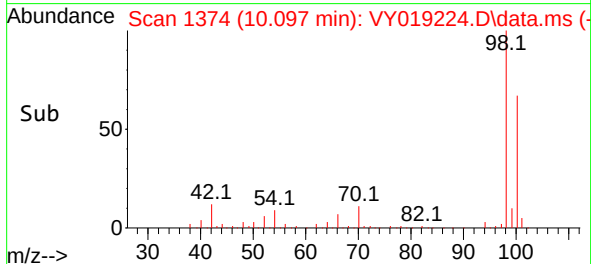
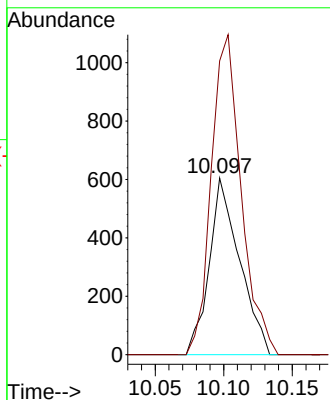
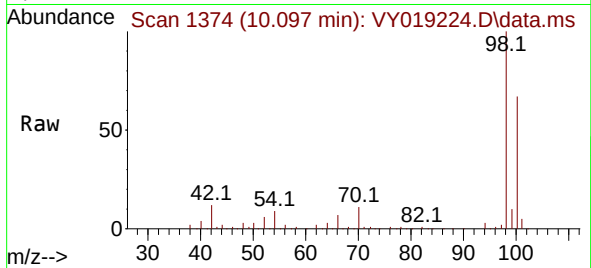




#51
4-Methyl-2-Pentanone
Concen: 1.496 ug/l
RT: 10.097 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019224.D
Acq: 22 Aug 2024 16:45

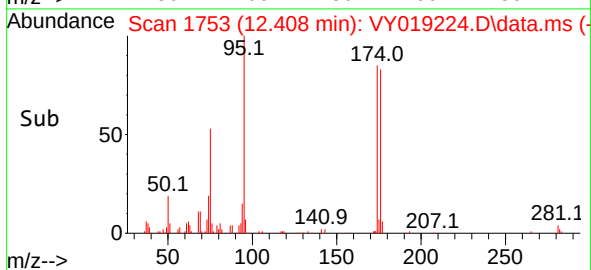
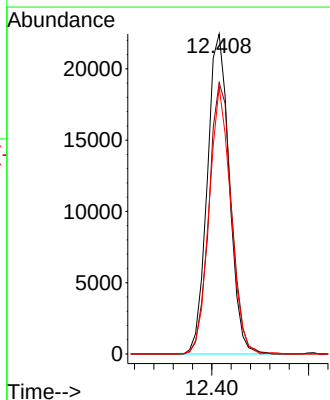
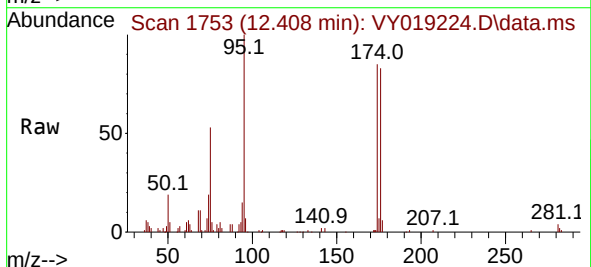
Instrument :
MSVOA_Y
ClientSampleId :

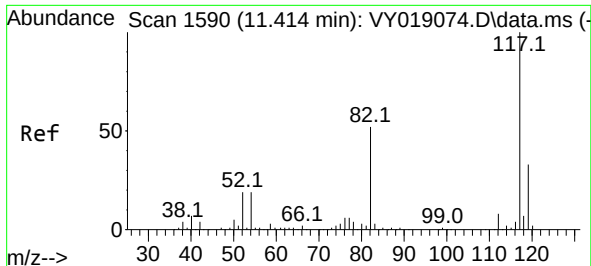
Tgt Ion: 43 Resp: 932
Ion Ratio Lower Upper
43 100
58 178.6 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 30.274 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019224.D
Acq: 22 Aug 2024 16:45

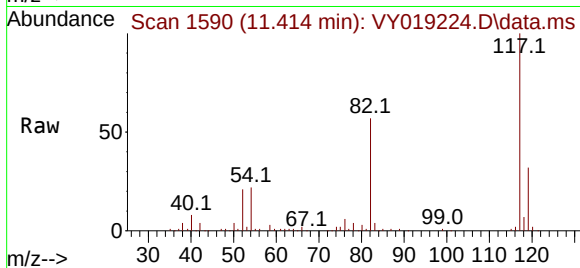
Tgt Ion: 95 Resp: 35428
Ion Ratio Lower Upper
95 100
174 86.7 0.0 175.6
176 82.2 0.0 171.4



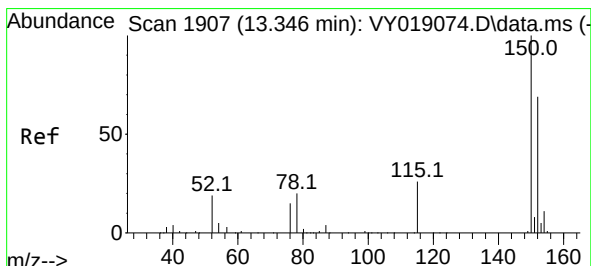
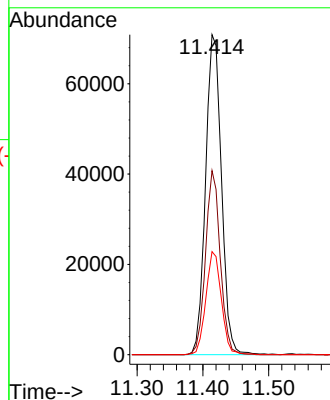
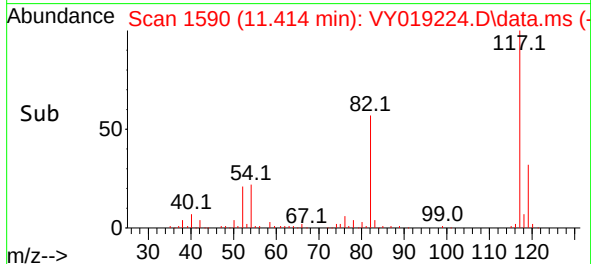


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019224.D
Acq: 22 Aug 2024 16:45

Instrument :
MSVOA_Y
ClientSampleId :

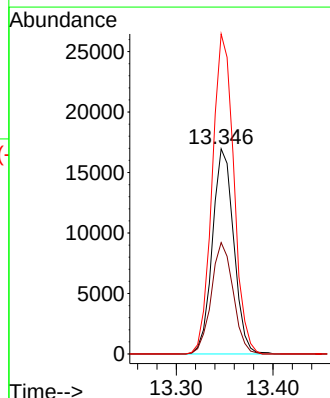
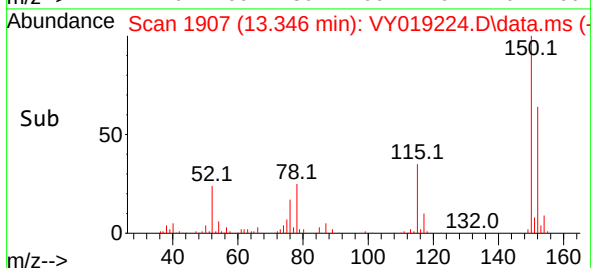
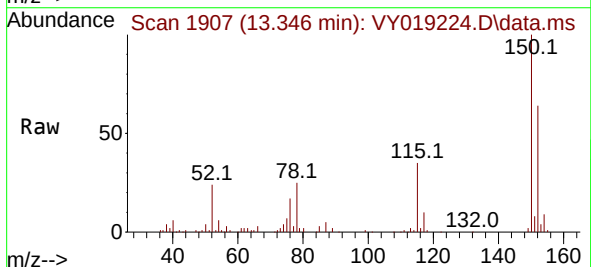


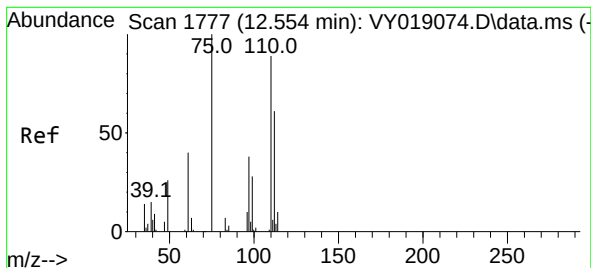
Tgt Ion:117 Resp: 119363
Ion Ratio Lower Upper
117 100
82 57.5 42.4 63.6
119 32.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019224.D
Acq: 22 Aug 2024 16:45

Tgt Ion:152 Resp: 25907
Ion Ratio Lower Upper
152 100
115 55.6 28.2 84.7
150 157.7 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 74.868 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019224.D

Acq: 22 Aug 2024 16:45

Instrument :

MSVOA_Y

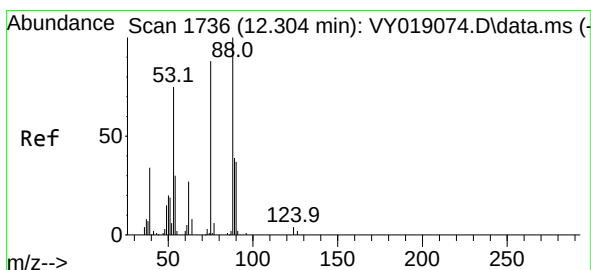
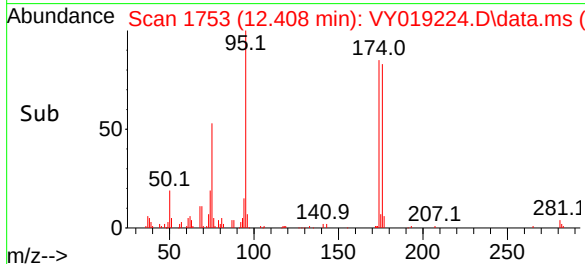
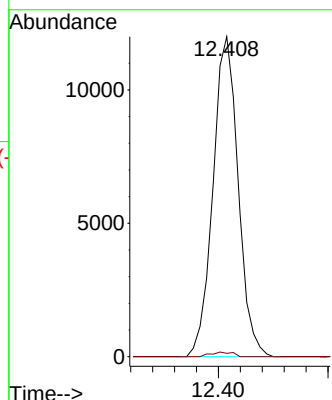
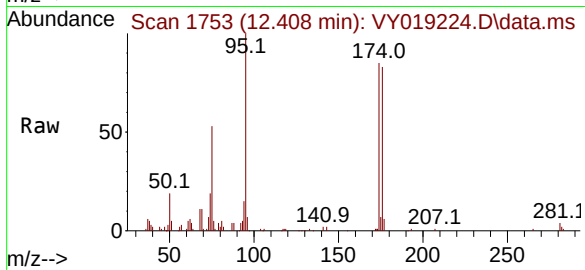
ClientSampleId :

Tgt Ion: 75 Resp: 19128

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 184.899 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY019224.D

Acq: 22 Aug 2024 16:45

Tgt Ion: 75 Resp: 19128

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#

