

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010524\
 Data File : VY016919.D
 Acq On : 05 Jan 2024 13:42
 Operator : SY/MD
 Sample : P1015-03
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 05 22:35:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

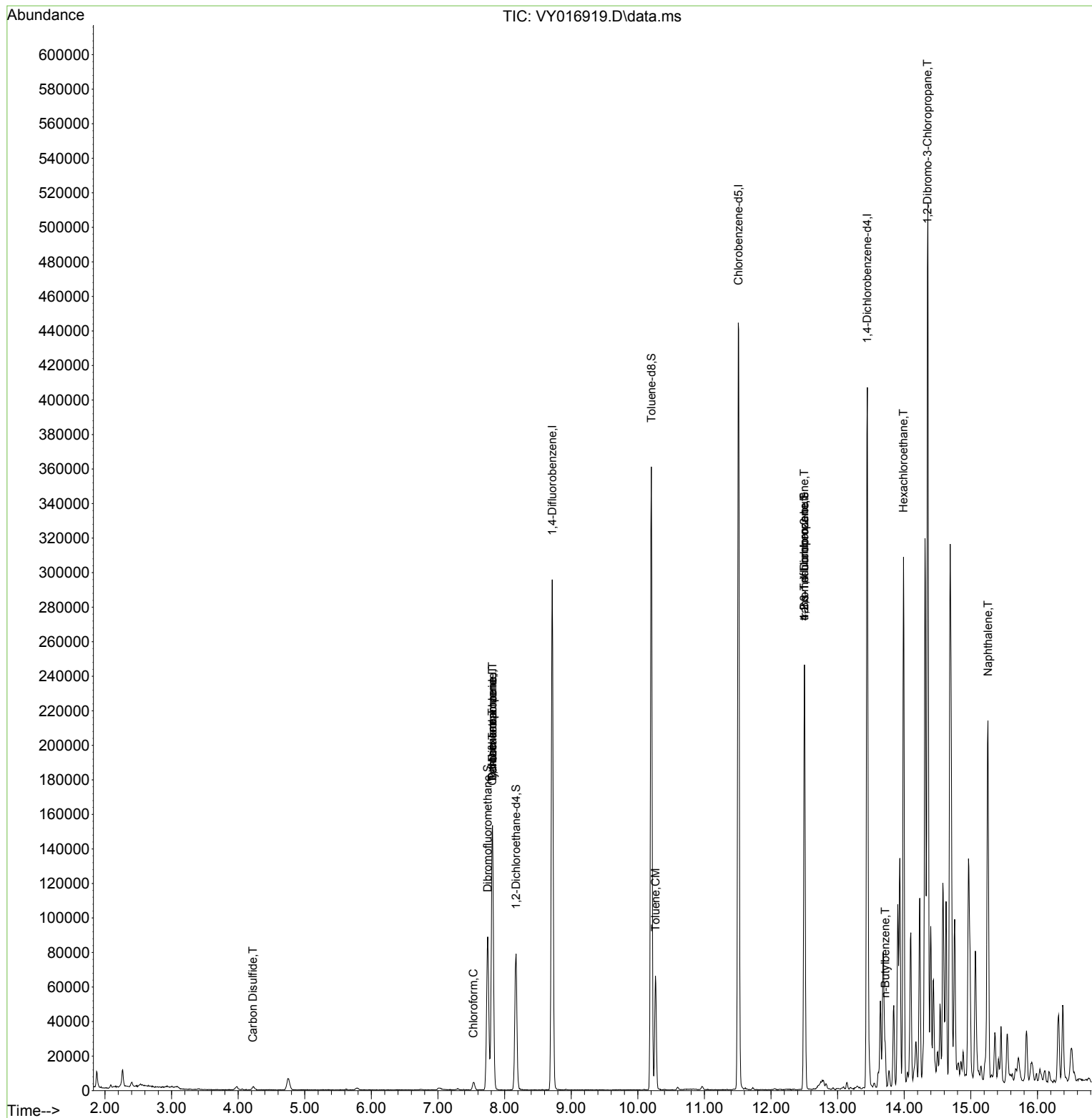
Internal Standards						
1) Pentafluorobenzene	7.819	168	116847	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	253891	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	247103	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	101476	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	60645	52.512	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.020%
35) Dibromofluoromethane	7.746	113	63958	39.532	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.060%
50) Toluene-d8	10.203	98	233933	41.990	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.980%
62) 4-Bromofluorobenzene	12.501	95	76970	40.949	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.900%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.985	59	99	Below Cal	#	75
13) Acrolein	3.765	56	24	Below Cal	#	15
16) Acetone	3.979	43	3430	Below Cal	#	87
17) Carbon Disulfide	4.222	76	3640	1.369	ug/l	96
20) Methylene Chloride	4.759	84	5154	Below Cal	#	94
25) 2-Butanone	7.021	43	775	Below Cal	#	48
30) Chloroform	7.533	83	4451	1.767	ug/l	89
31) Cyclohexane	7.813	56	2700	1.362	ug/l #	20
36) 1,1-Dichloropropene	7.819	75	9965	4.226	ug/l #	49
38) Carbon Tetrachloride	7.819	117	11731	4.897	ug/l #	16
52) Toluene	10.264	92	27849	6.524	ug/l	100
76) 1,2,3-Trichloropropane	12.501	75	40466	36.747	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	40466	83.444	ug/l #	12
89) n-Butylbenzene	13.715	91	12036	1.773	ug/l #	76
90) Hexachloroethane	13.989	117	14501	9.560	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.349	75	1900	8.974	ug/l #	1
95) Naphthalene	15.257	128	167617	58.634	ug/l	99

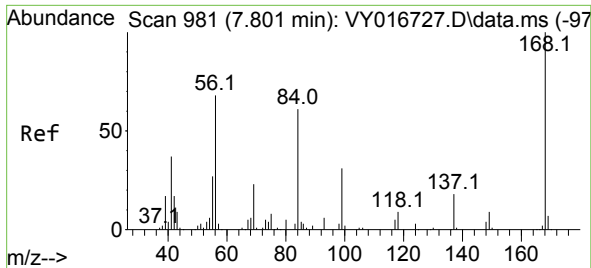
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 02 14:25:32 2024
Response via : Initial Calibration

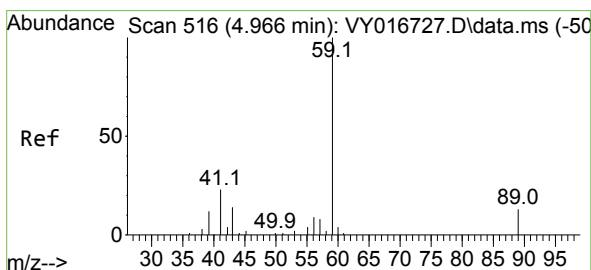
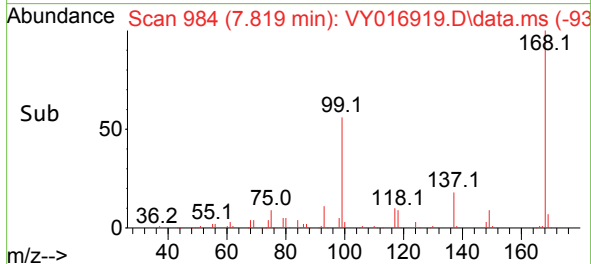
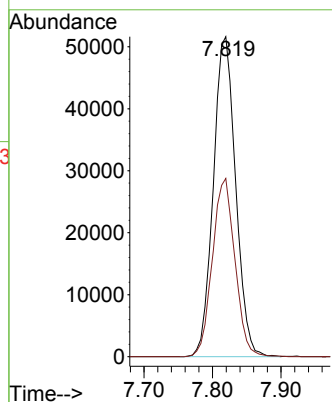
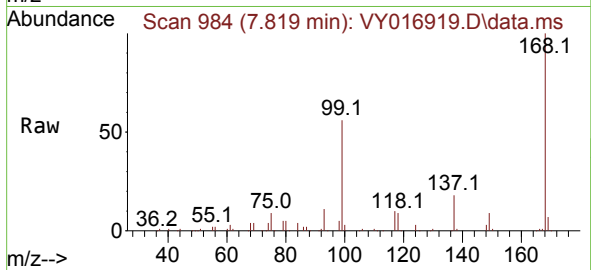




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42

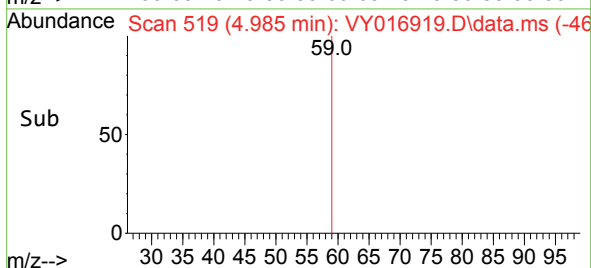
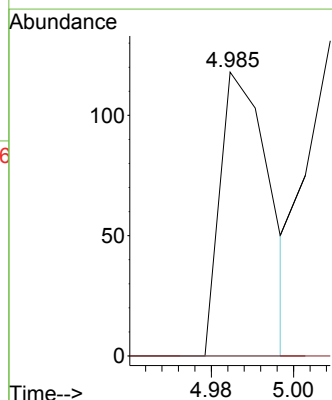
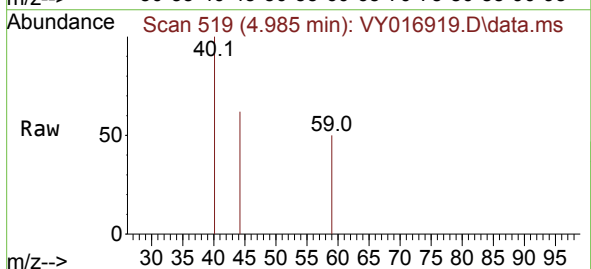
Instrument :
MSVOA_Y
ClientSampleId :

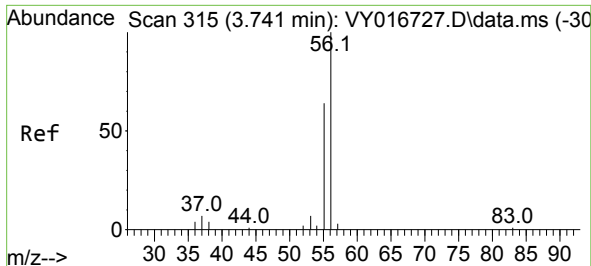
Tgt Ion:168 Resp: 116847
Ion Ratio Lower Upper
168 100
99 55.7 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.985 min Scan# 519
Delta R.T. 0.019 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42

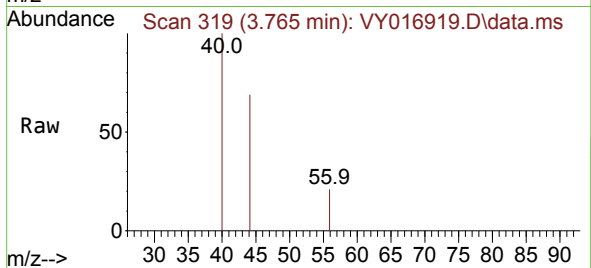
Tgt Ion: 59 Resp: 99
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



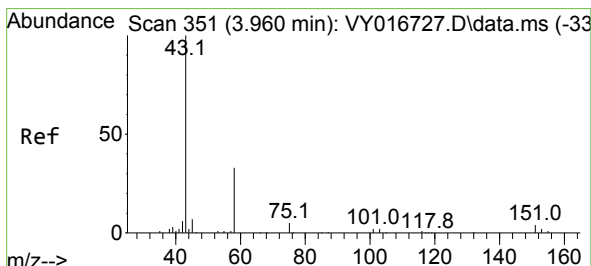
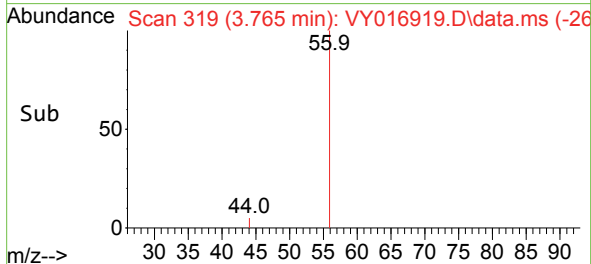
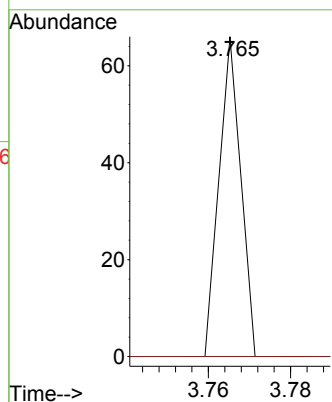


#13
Acrolein
Concen: Below Cal
RT: 3.765 min Scan# 315
Delta R.T. 0.024 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42

Instrument :
MSVOA_Y
ClientSampleId :

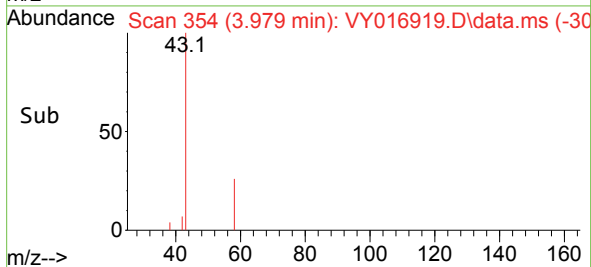
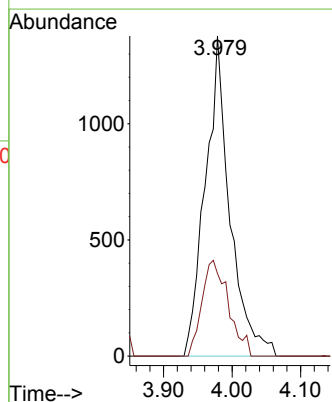
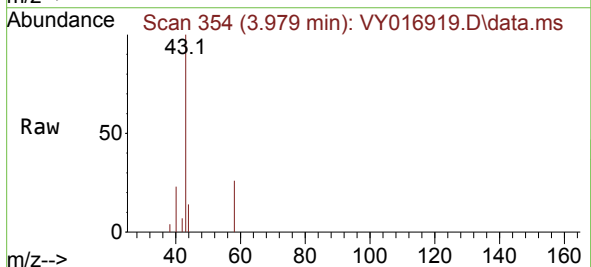


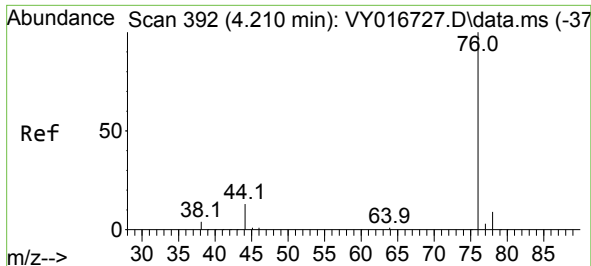
Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#



#16
Acetone
Concen: Below Cal
RT: 3.979 min Scan# 354
Delta R.T. 0.019 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42

Tgt Ion: 43 Resp: 3430
Ion Ratio Lower Upper
43 100
58 25.8 26.6 39.8#

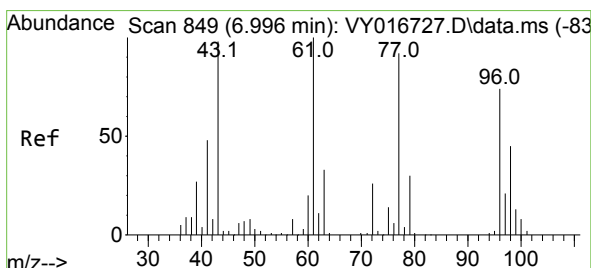
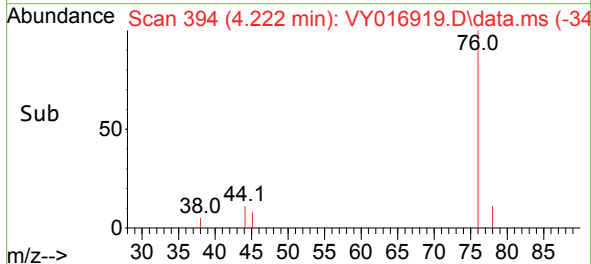
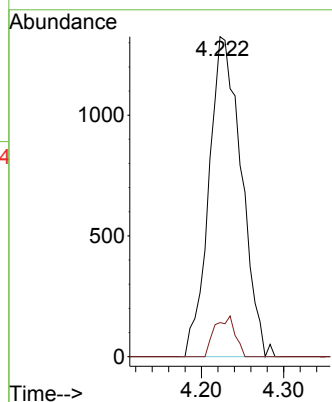
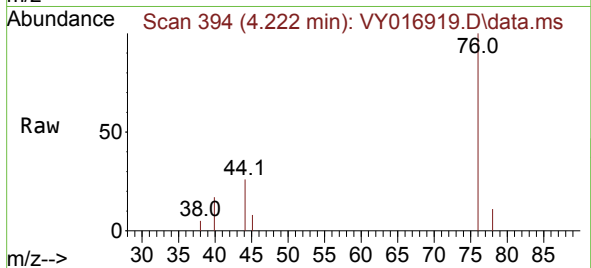




#17
Carbon Disulfide
Concen: 1.369 ug/l
RT: 4.222 min Scan# 394
Delta R.T. 0.012 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42

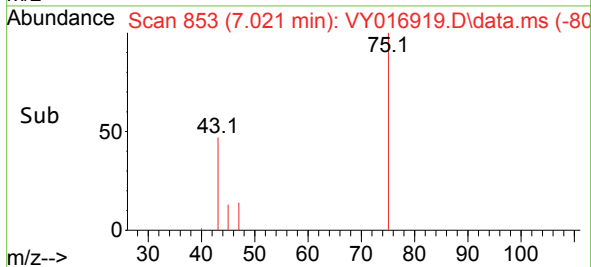
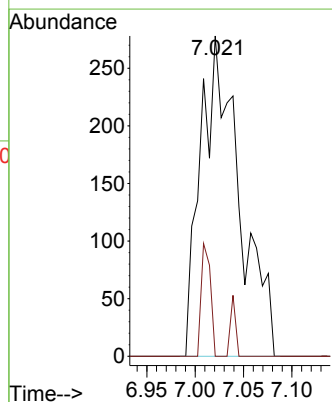
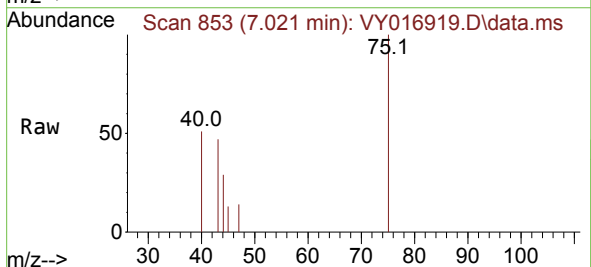
Instrument :
MSVOA_Y
ClientSampleId :

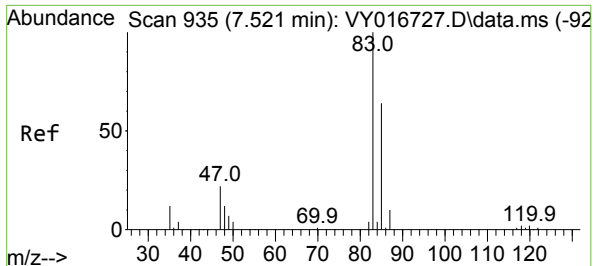
Tgt Ion: 76 Resp: 3640
Ion Ratio Lower Upper
76 100
78 10.6 7.4 11.0



#25
2-Butanone
Concen: Below Cal
RT: 7.021 min Scan# 853
Delta R.T. 0.025 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42

Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#





#30

Chloroform

Concen: 1.767 ug/l

RT: 7.533 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY016919.D

Acq: 05 Jan 2024 13:42

Instrument :

MSVOA_Y

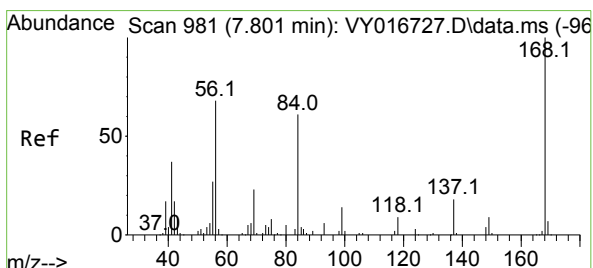
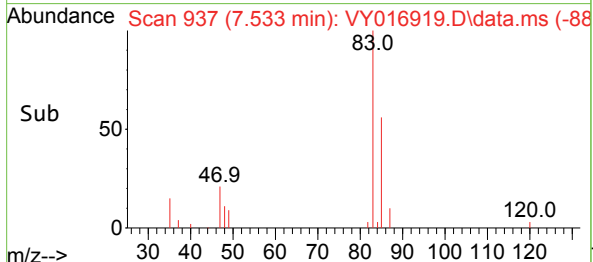
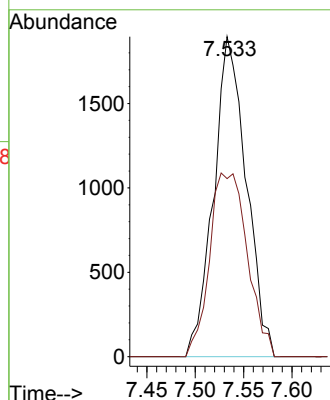
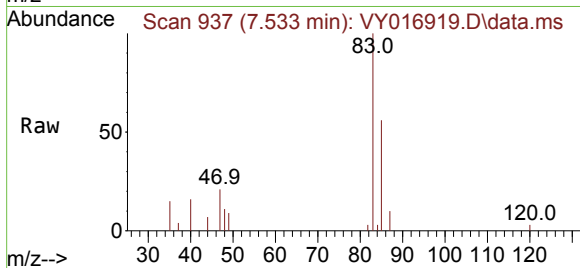
ClientSampleId :

Tgt Ion: 83 Resp: 4451

Ion Ratio Lower Upper

83 100

85 55.6 51.2 76.8



#31

Cyclohexane

Concen: 1.362 ug/l

RT: 7.813 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY016919.D

Acq: 05 Jan 2024 13:42

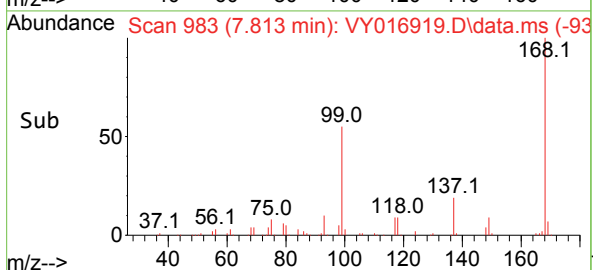
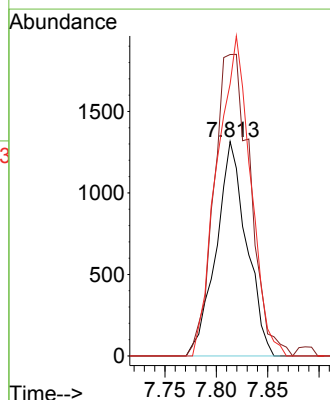
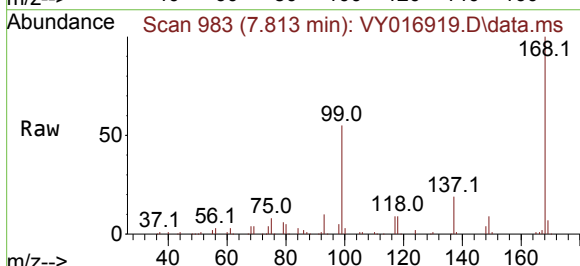
Tgt Ion: 56 Resp: 2700

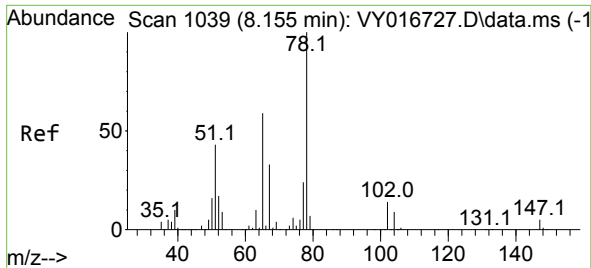
Ion Ratio Lower Upper

56 100

69 140.6 27.0 40.6#

84 126.9 71.8 107.6#

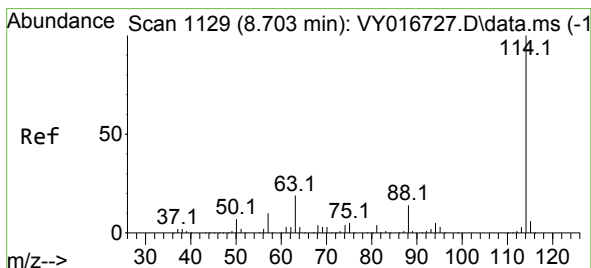
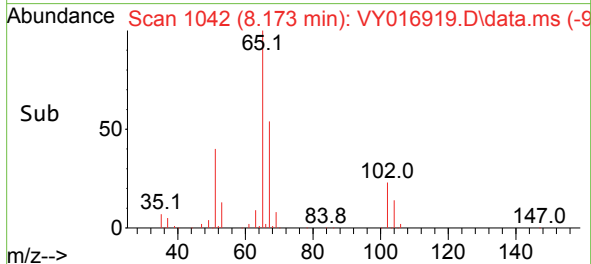
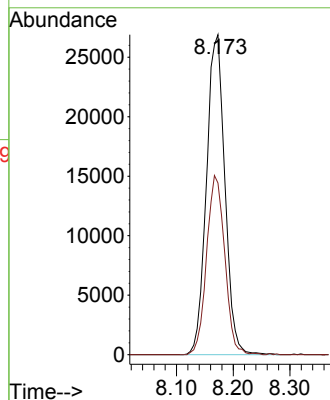
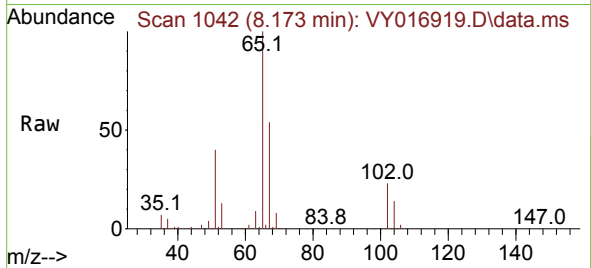




#33
 1,2-Dichloroethane-d4
 Concen: 52.512 ug/l
 RT: 8.173 min Scan# 110
 Delta R.T. 0.018 min
 Lab File: VY016919.D
 Acq: 05 Jan 2024 13:42

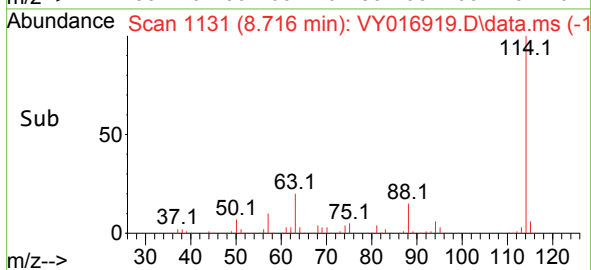
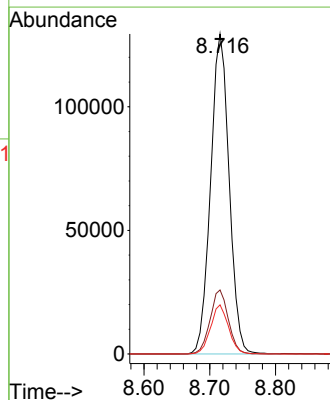
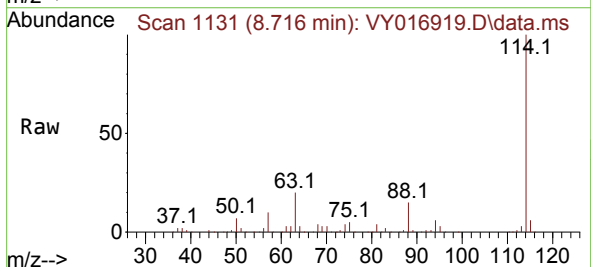
Instrument :
 MSVOA_Y
 ClientSampleId :

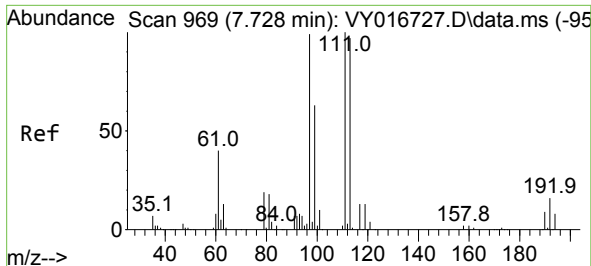
Tgt Ion: 65 Resp: 60645
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.716 min Scan# 1131
 Delta R.T. 0.013 min
 Lab File: VY016919.D
 Acq: 05 Jan 2024 13:42

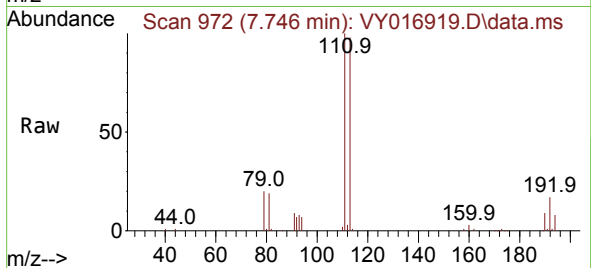
Tgt Ion:114 Resp: 253891
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 37.4
 88 15.3 0.0 29.0



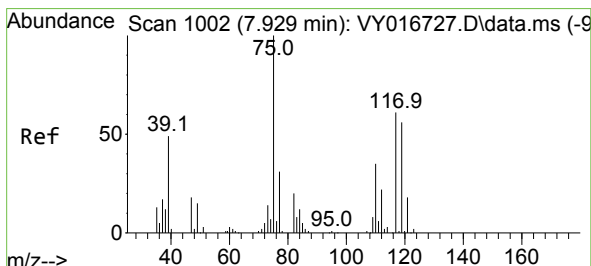
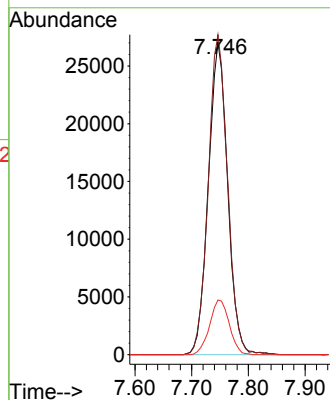
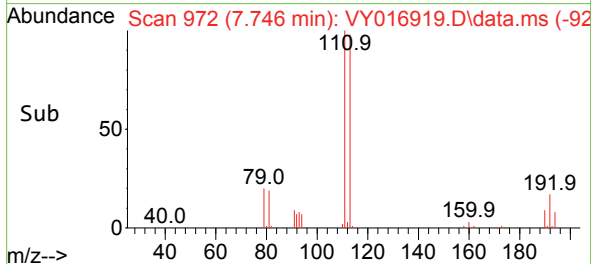


#35
Dibromofluoromethane
Concen: 39.532 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42

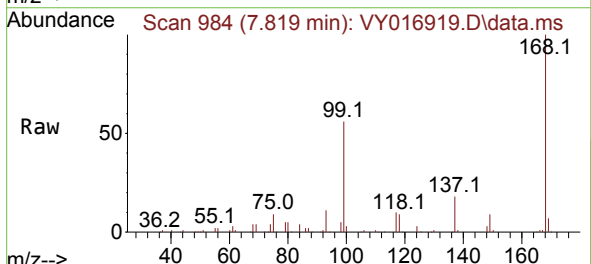
Instrument :
MSVOA_Y
ClientSampleId :



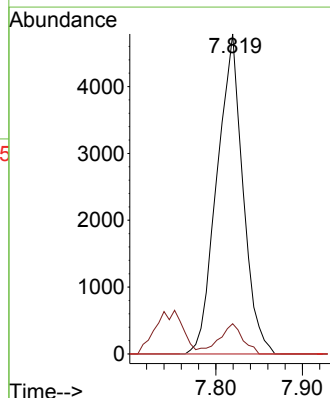
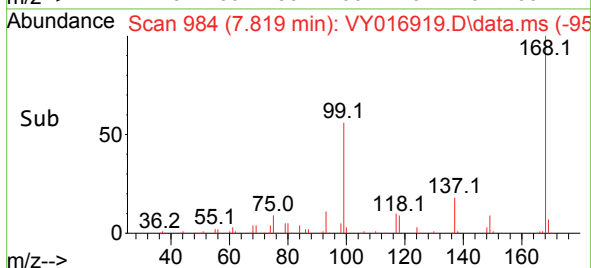
Tgt Ion:113 Resp: 63958
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.6
192 17.8 14.5 21.7

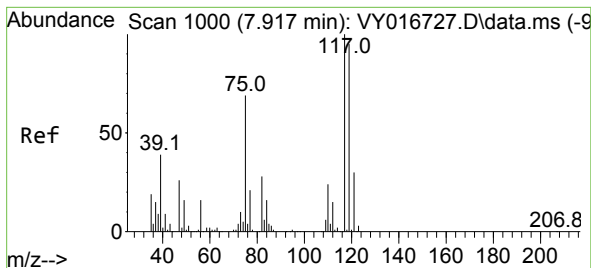


#36
1,1-Dichloropropene
Concen: 4.226 ug/l
RT: 7.819 min Scan# 984
Delta R.T. -0.110 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42



Tgt Ion: 75 Resp: 9965
Ion Ratio Lower Upper
75 100
110 8.1 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.897 ug/l

RT: 7.819 min Scan# 91

Delta R.T. -0.098 min

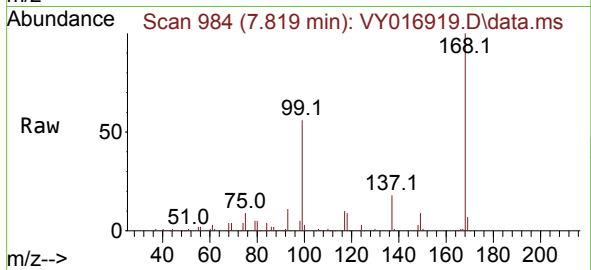
Lab File: VY016919.D

Acq: 05 Jan 2024 13:42

Instrument :

MSVOA_Y

ClientSampleId :



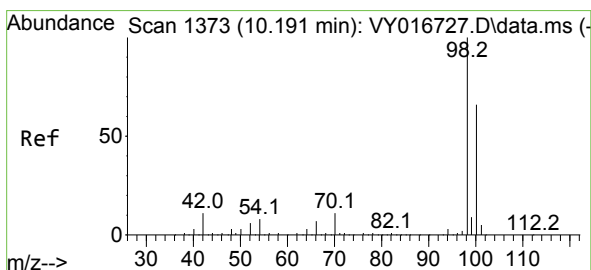
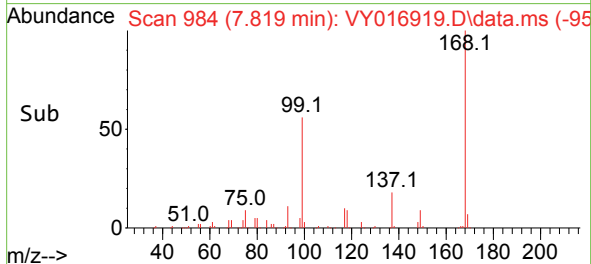
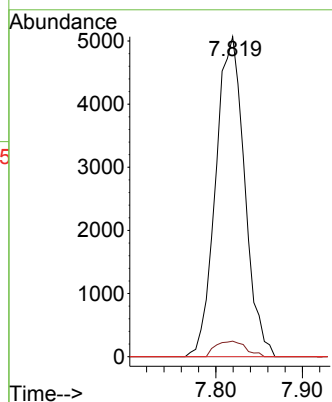
Tgt Ion:117 Resp: 11731

Ion Ratio Lower Upper

117 100

119 4.9 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 41.990 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.012 min

Lab File: VY016919.D

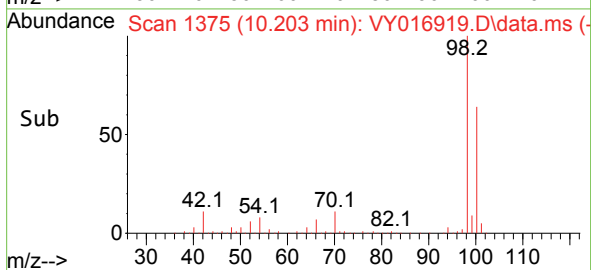
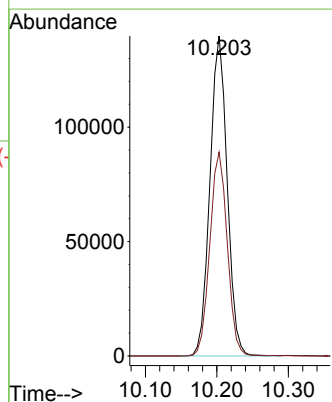
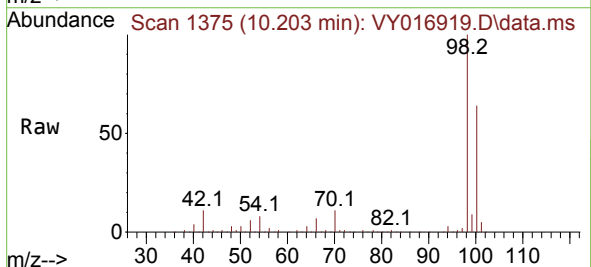
Acq: 05 Jan 2024 13:42

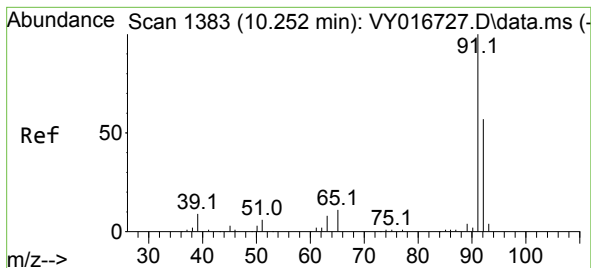
Tgt Ion: 98 Resp: 233933

Ion Ratio Lower Upper

98 100

100 64.4 52.3 78.5





#52

Toluene

Concen: 6.524 ug/l

RT: 10.264 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016919.D

Acq: 05 Jan 2024 13:42

Instrument :

MSVOA_Y

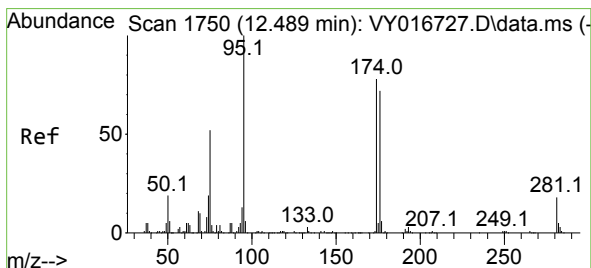
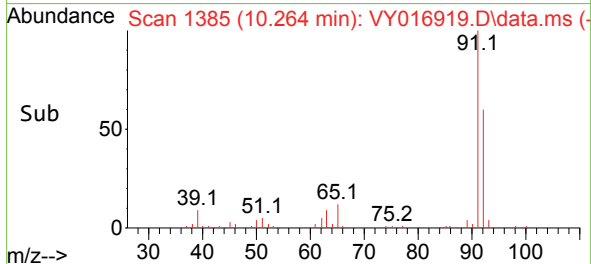
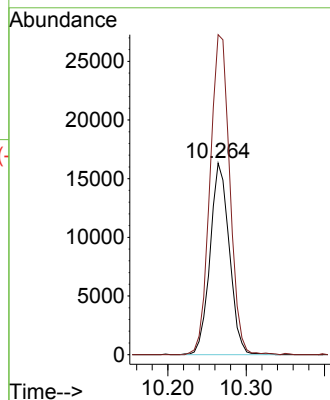
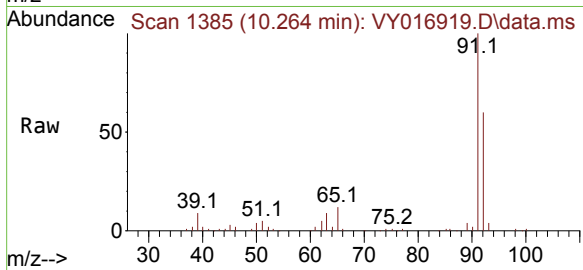
ClientSampleId :

Tgt Ion: 92 Resp: 27849

Ion Ratio Lower Upper

92 100

91 171.5 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 40.949 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY016919.D

Acq: 05 Jan 2024 13:42

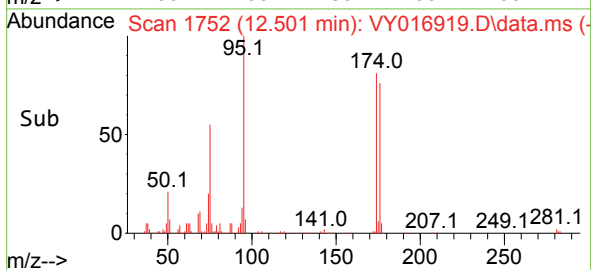
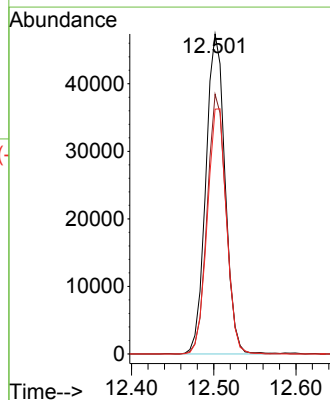
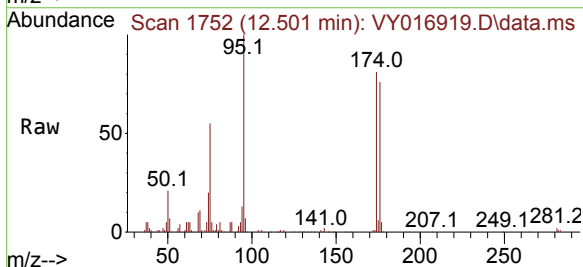
Tgt Ion: 95 Resp: 76970

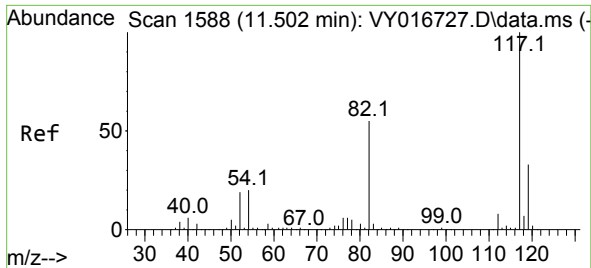
Ion Ratio Lower Upper

95 100

174 79.8 0.0 160.0

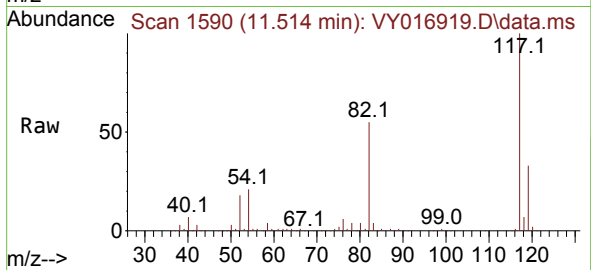
176 76.8 0.0 151.8



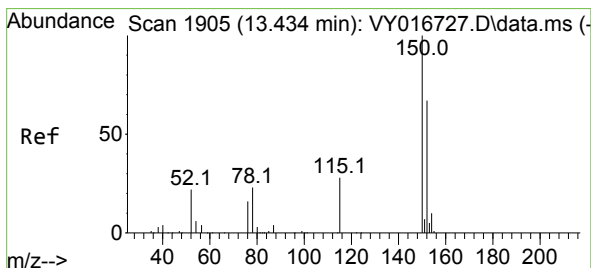
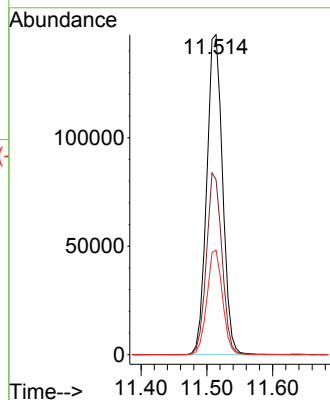
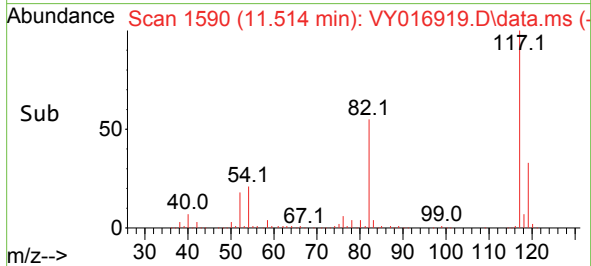


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42

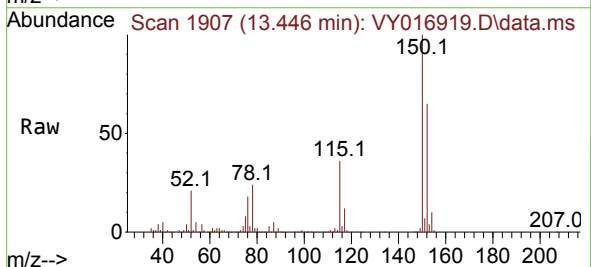
Instrument :
MSVOA_Y
ClientSampleId :



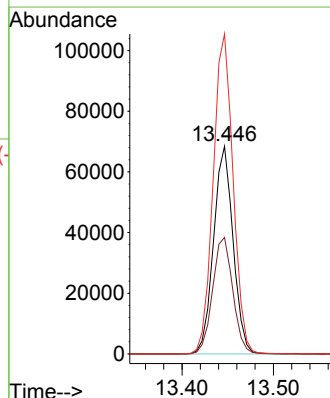
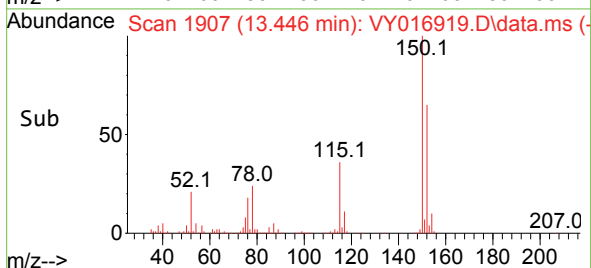
Tgt Ion:117 Resp: 247103
Ion Ratio Lower Upper
117 100
82 54.6 43.8 65.8
119 32.7 26.5 39.7

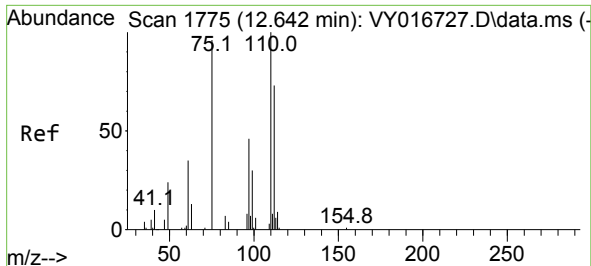


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.012 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42



Tgt Ion:152 Resp: 101476
Ion Ratio Lower Upper
152 100
115 58.3 30.0 90.0
150 157.2 0.0 344.6

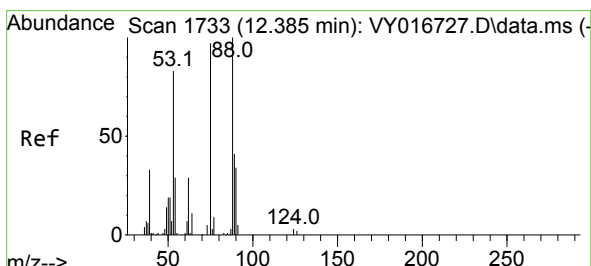
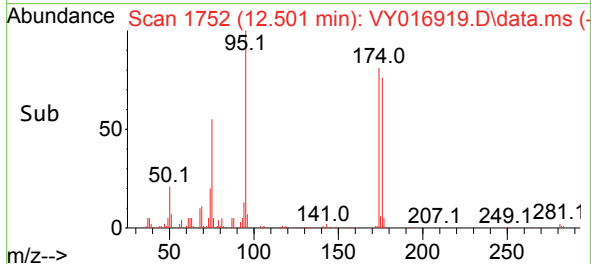
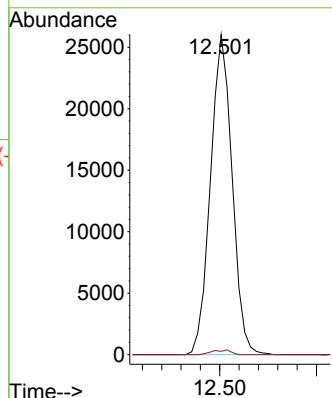
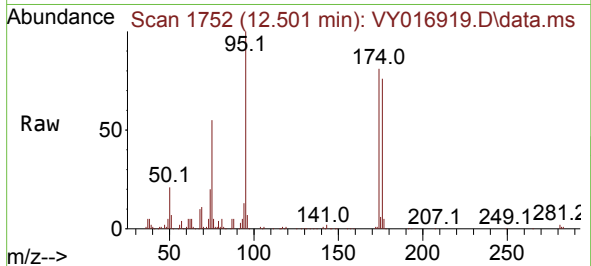




#76
1,2,3-Trichloropropane
Concen: 36.747 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. -0.141 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42

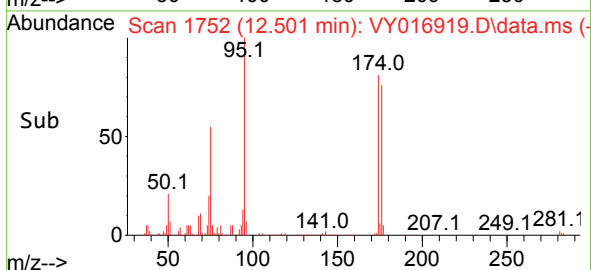
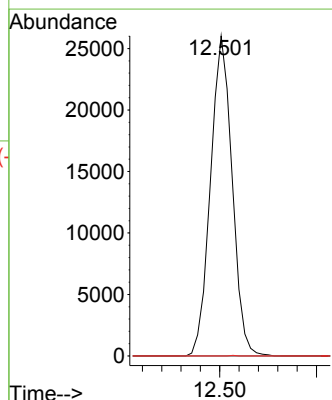
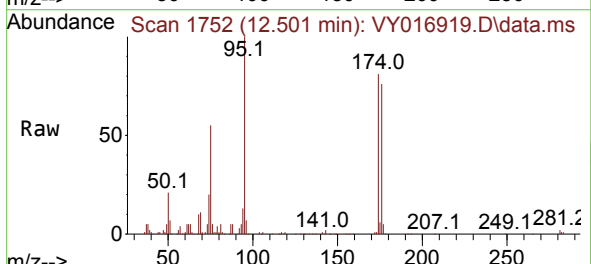
Instrument :
MSVOA_Y
ClientSampleId :

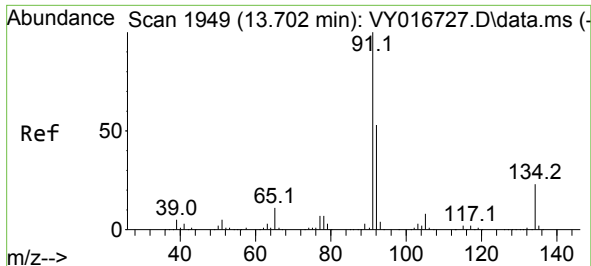
Tgt Ion: 75 Resp: 40466
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.444 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42

Tgt Ion: 75 Resp: 40466
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

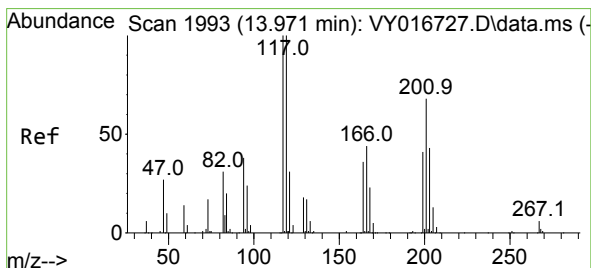
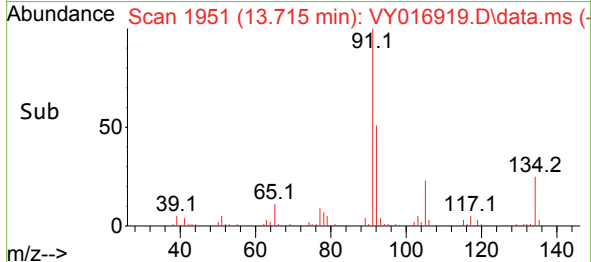
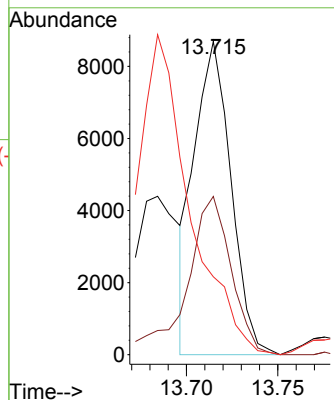
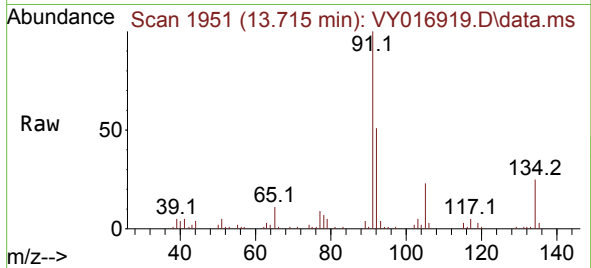




#89
n-Butylbenzene
Concen: 1.773 ug/l
RT: 13.715 min Scan# 1951
Delta R.T. 0.013 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42

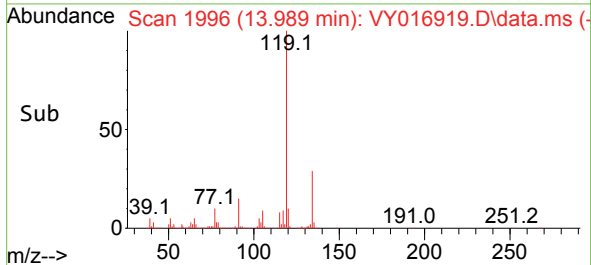
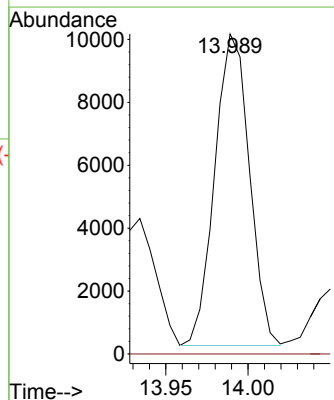
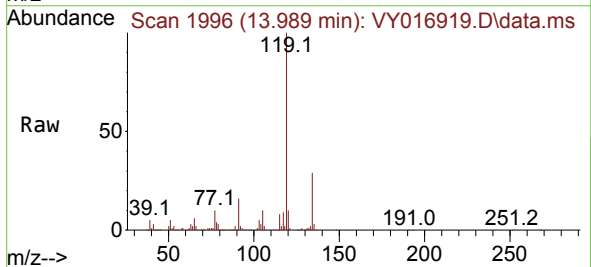
Instrument :
MSVOA_Y
ClientSampleId :

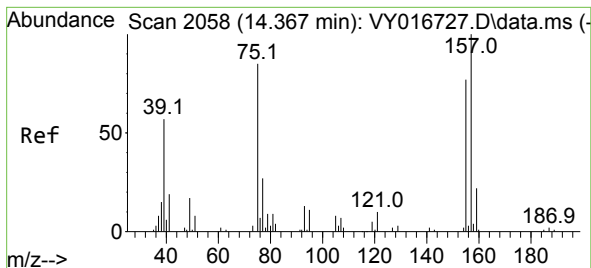
Tgt Ion: 91 Resp: 12036
Ion Ratio Lower Upper
91 100
92 61.2 26.4 79.2
134 0.0 12.3 36.8#



#90
Hexachloroethane
Concen: 9.560 ug/l
RT: 13.989 min Scan# 1996
Delta R.T. 0.018 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42

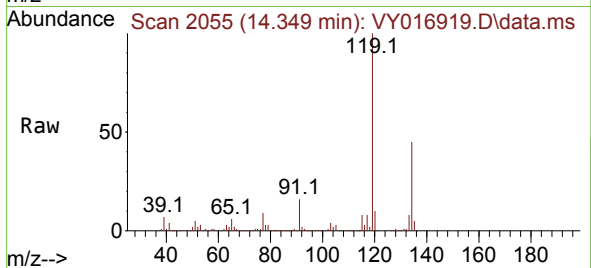
Tgt Ion: 117 Resp: 14501
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.1#



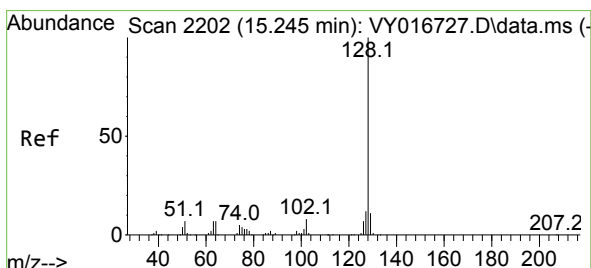
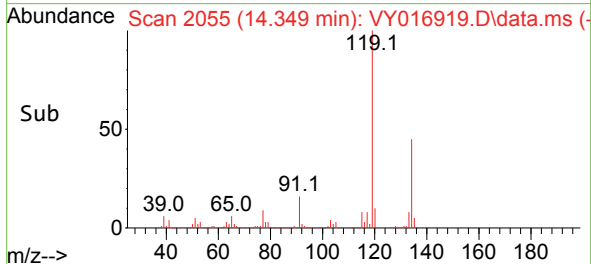
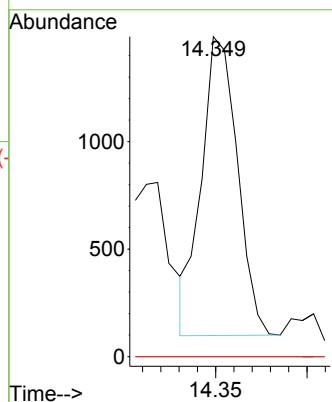


#92
1,2-Dibromo-3-Chloropropane
Concen: 8.974 ug/l
RT: 14.349 min Scan# 2055
Delta R.T. -0.018 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 1900
Ion Ratio Lower Upper
75 100
155 0.0 42.1 126.3#
157 0.0 55.8 167.4#



#95
Naphthalene
Concen: 58.634 ug/l
RT: 15.257 min Scan# 2204
Delta R.T. 0.012 min
Lab File: VY016919.D
Acq: 05 Jan 2024 13:42

Tgt Ion: 128 Resp: 167617
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.9 8.6 12.8

