

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014218.D
 Acq On : 16 Jun 2023 21:05
 Operator : KP/MD
 Sample : 03287-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-1-061523

Quant Time: Jun 16 23:27:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

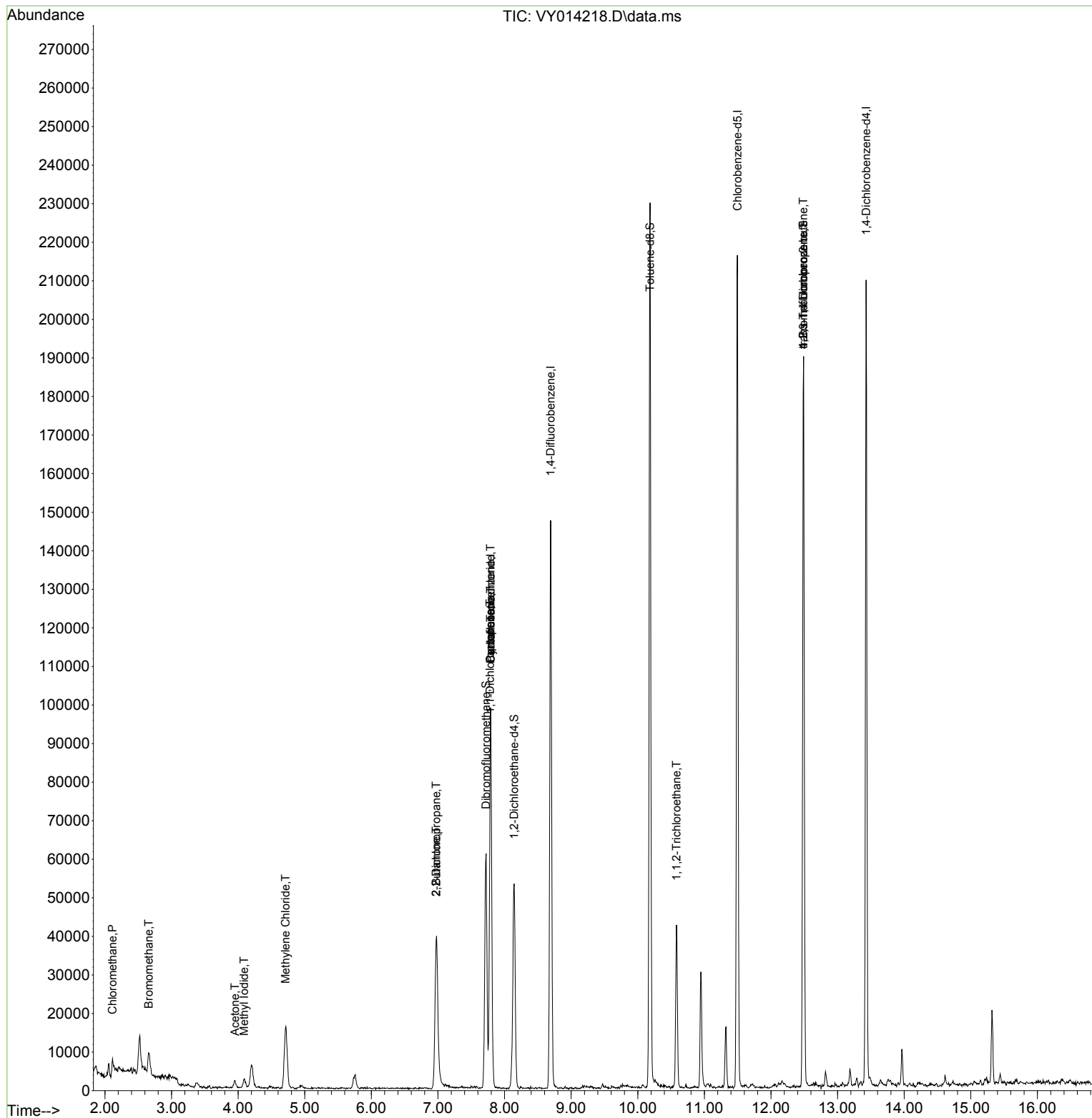
Internal Standards						
1) Pentafluorobenzene	7.789	168	75535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	119920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	120184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	53003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	43057	40.935	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.880%		
35) Dibromofluoromethane	7.722	113	41274	48.532	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.060%		
50) Toluene-d8	10.185	98	148613	46.741	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.480%		
62) 4-Bromofluorobenzene	12.483	95	48535	42.973	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	85.940%		
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	3861	3.617	ug/l	89
5) Bromomethane	2.656	94	3929	4.589	ug/l	93
10) Methyl Iodide	4.088	142	3598	3.202	ug/l #	91
11) Tert butyl alcohol	4.942	59	589	Below Cal	#	82
13) Acrolein	3.729	56	110	Below Cal	#	47
16) Acetone	3.954	43	2972	9.374	ug/l	98
20) Methylene Chloride	4.710	84	11590	8.472	ug/l	88
25) 2-Butanone	6.972	43	2532	6.488	ug/l #	88
26) 2,2-Dichloropropane	6.972	77	3033	1.871	ug/l #	54
31) Cyclohexane	7.789	56	1781	1.264	ug/l #	38
36) 1,1-Dichloropropene	7.783	75	6284	4.740	ug/l #	46
38) Carbon Tetrachloride	7.789	117	7365	4.814	ug/l #	19
55) 1,1,2-Trichloroethane	10.581	97	1048	1.282	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	25545	36.735	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	25545	79.407	ug/l #	11

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

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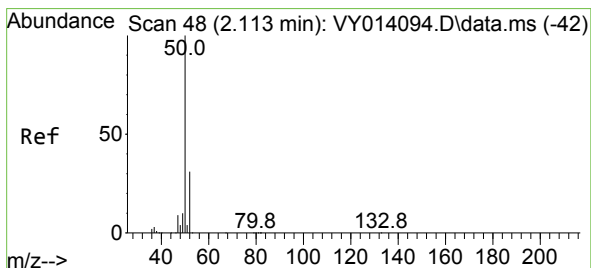
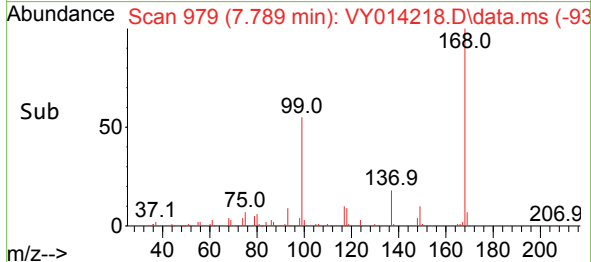
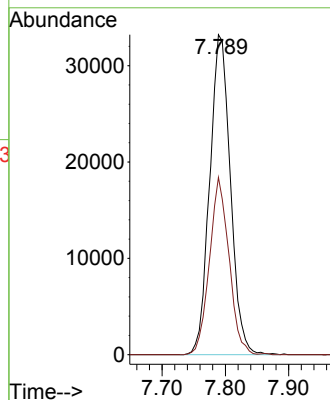
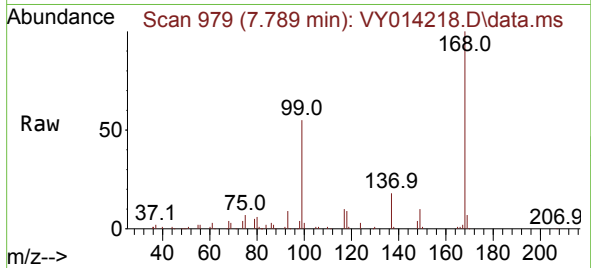




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014218.D
Acq: 16 Jun 2023 21:05

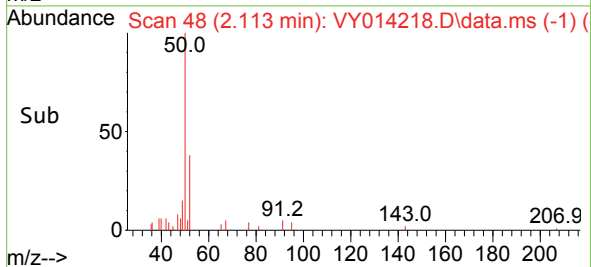
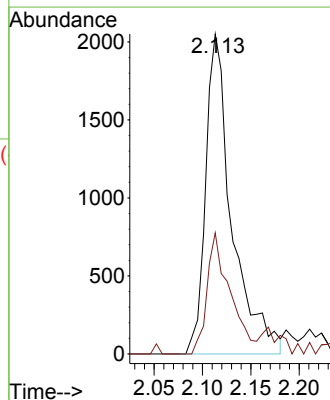
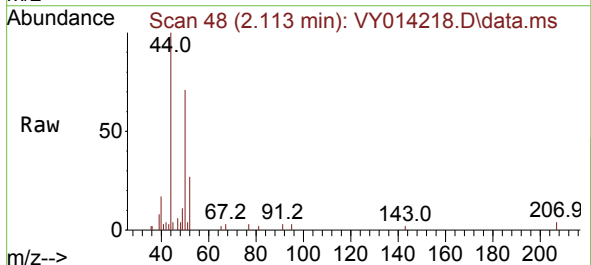
Instrument :
MSVOA_Y
ClientSampleId :
OK-1-061523

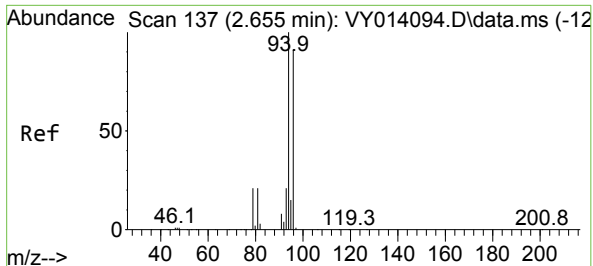
Tgt Ion:168 Resp: 75535
Ion Ratio Lower Upper
168 100
99 55.4 43.4 65.0



#3
Chloromethane
Concen: 3.617 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY014218.D
Acq: 16 Jun 2023 21:05

Tgt Ion: 50 Resp: 3861
Ion Ratio Lower Upper
50 100
52 37.8 25.4 38.2

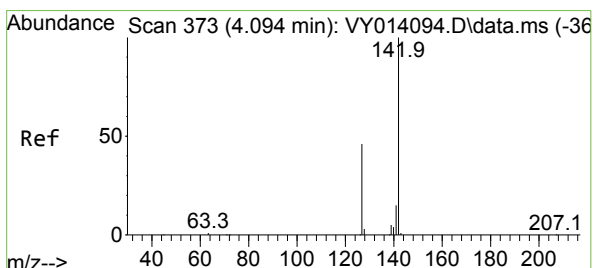
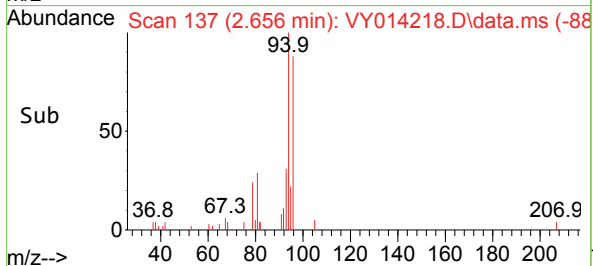
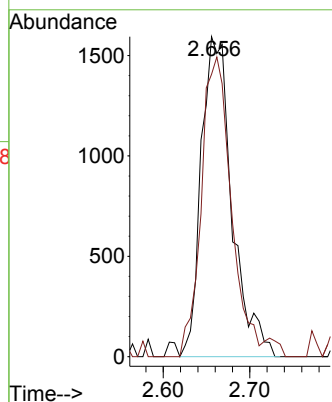
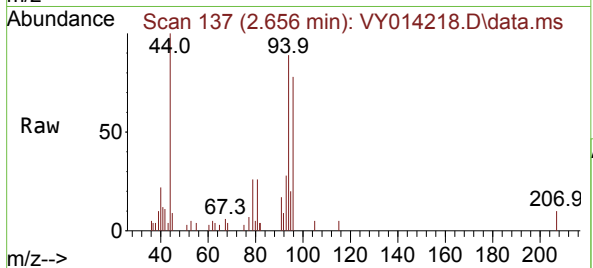




#5
Bromomethane
Concen: 4.589 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014218.D
Acq: 16 Jun 2023 21:05

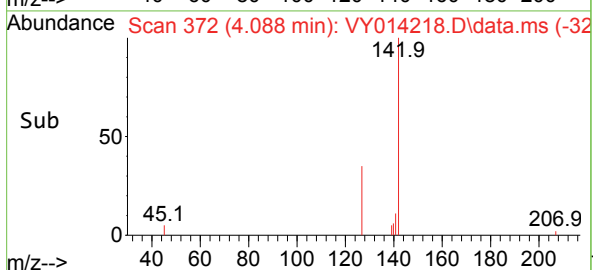
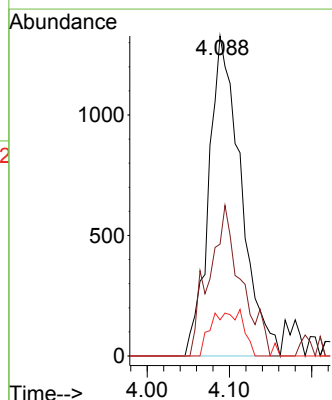
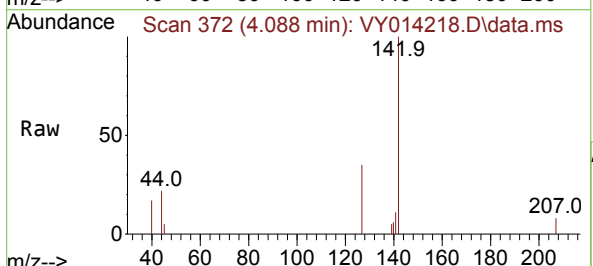
Instrument :
MSVOA_Y
ClientSampleId :
OK-1-061523

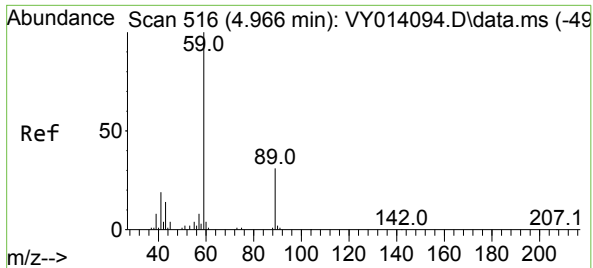
Tgt Ion: 94 Resp: 3929
Ion Ratio Lower Upper
94 100
96 88.3 75.8 113.6



#10
Methyl Iodide
Concen: 3.202 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.006 min
Lab File: VY014218.D
Acq: 16 Jun 2023 21:05

Tgt Ion:142 Resp: 3598
Ion Ratio Lower Upper
142 100
127 47.1 37.6 56.4
141 0.0 11.8 17.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 516

Delta R.T. -0.024 min

Lab File: VY014218.D

Acq: 16 Jun 2023 21:05

Instrument :

MSVOA_Y

ClientSampleId :

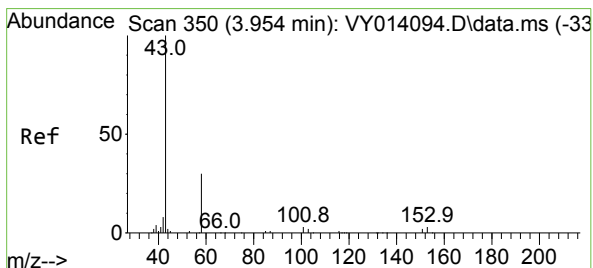
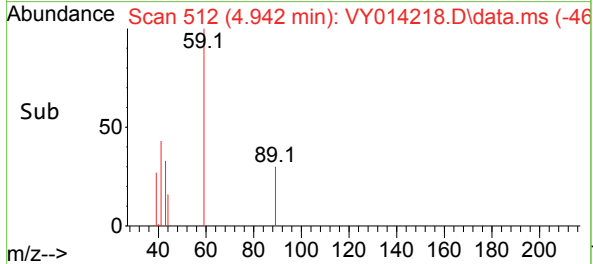
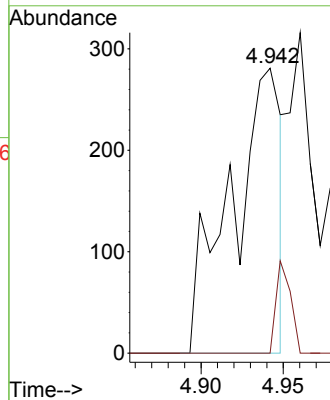
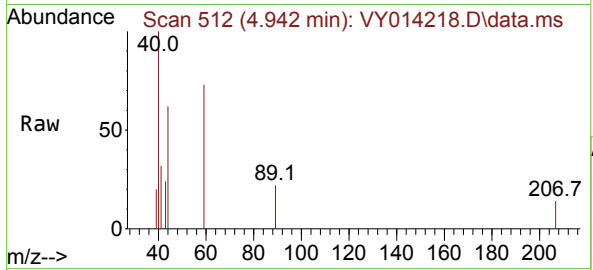
OK-1-061523

Tgt Ion: 59 Resp: 589

Ion Ratio Lower Upper

59 100

57 9.5 3.0 4.4#



#16

Acetone

Concen: 9.374 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.000 min

Lab File: VY014218.D

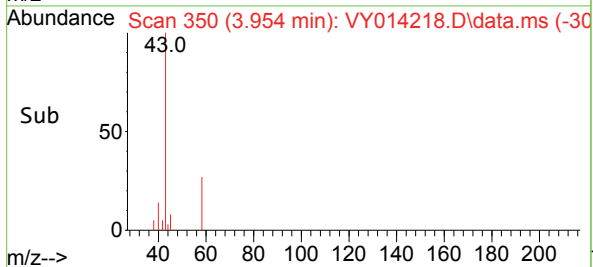
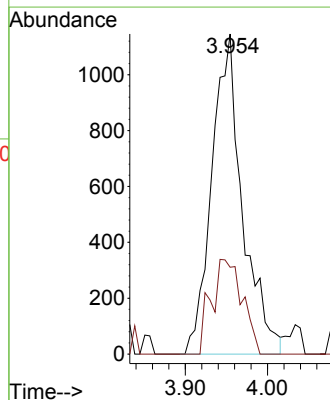
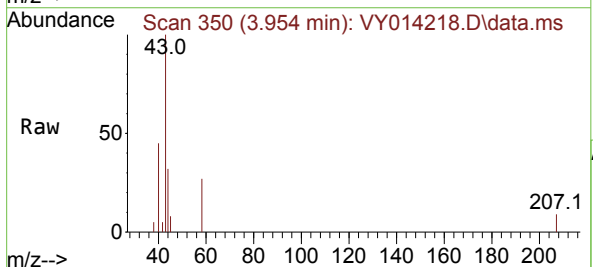
Acq: 16 Jun 2023 21:05

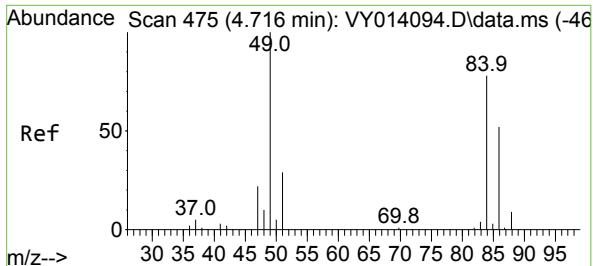
Tgt Ion: 43 Resp: 2972

Ion Ratio Lower Upper

43 100

58 27.1 22.7 34.1

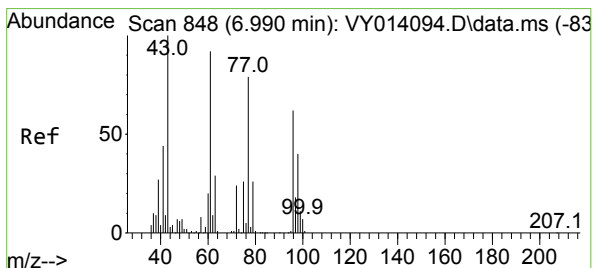
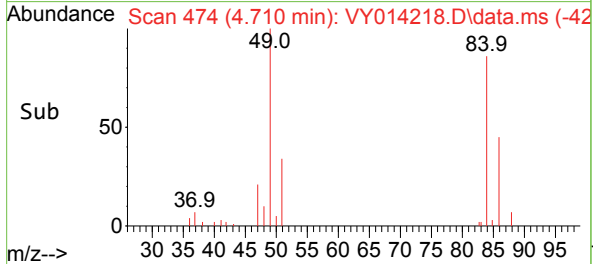
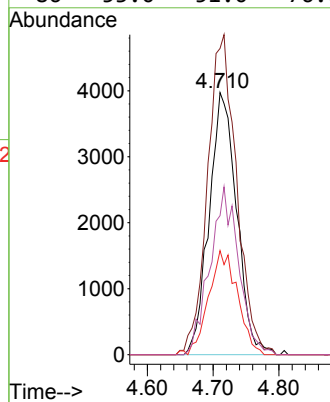
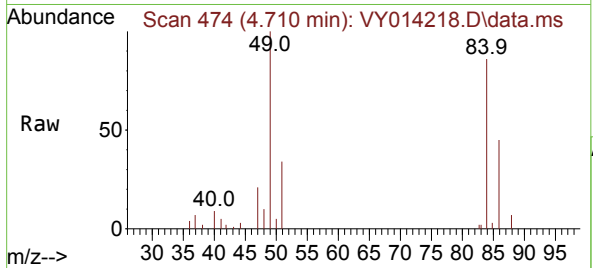




#20
Methylene Chloride
Concen: 8.472 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014218.D
Acq: 16 Jun 2023 21:05

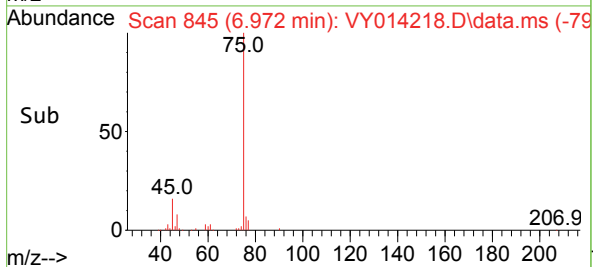
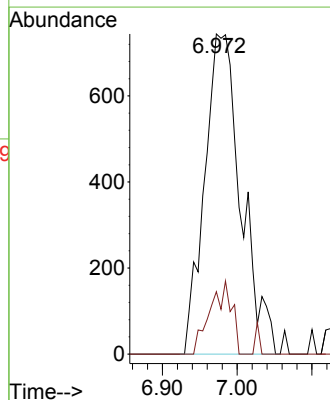
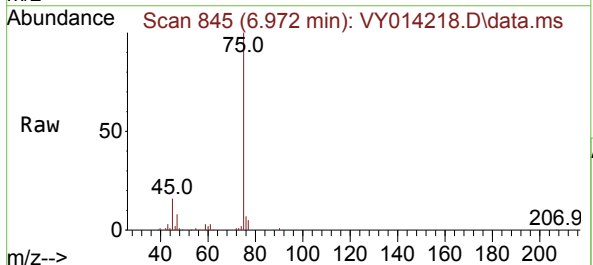
Instrument :
MSVOA_Y
ClientSampleId :
OK-1-061523

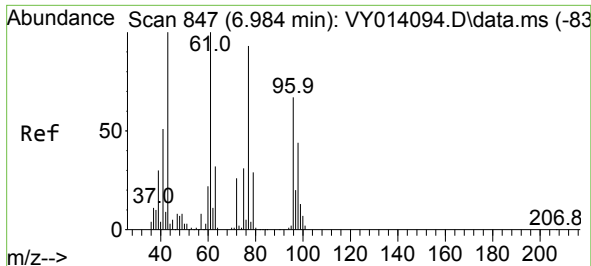
Tgt Ion:	84	Resp:	11590
Ion	Ratio	Lower	Upper
84	100		
49	116.8	106.9	160.3
51	39.7	33.2	49.8
86	53.0	51.0	76.6



#25
2-Butanone
Concen: 6.488 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014218.D
Acq: 16 Jun 2023 21:05

Tgt Ion:	43	Resp:	2532
Ion	Ratio	Lower	Upper
43	100		
72	19.5	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 1.871 ug/l

RT: 6.972 min Scan# 847

Delta R.T. -0.012 min

Lab File: VY014218.D

Acq: 16 Jun 2023 21:05

Instrument :

MSVOA_Y

ClientSampleId :

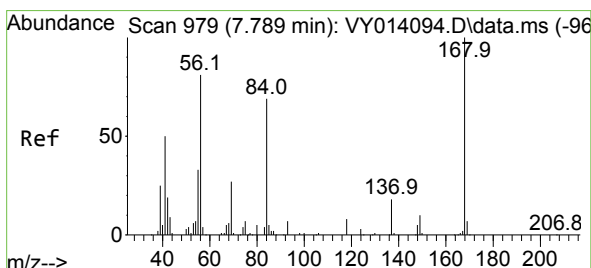
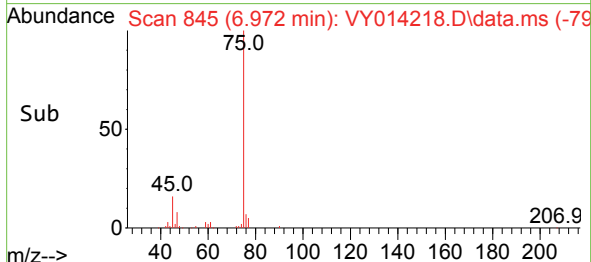
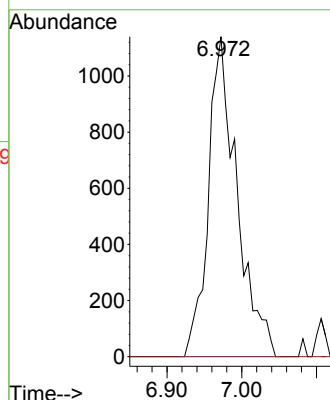
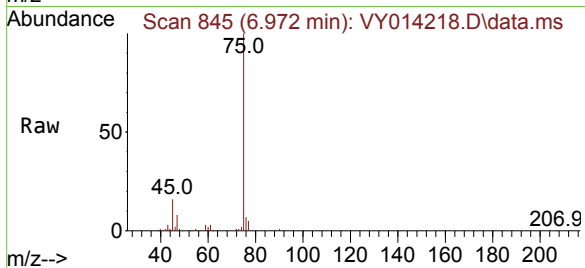
OK-1-061523

Tgt Ion: 77 Resp: 3033

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.264 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY014218.D

Acq: 16 Jun 2023 21:05

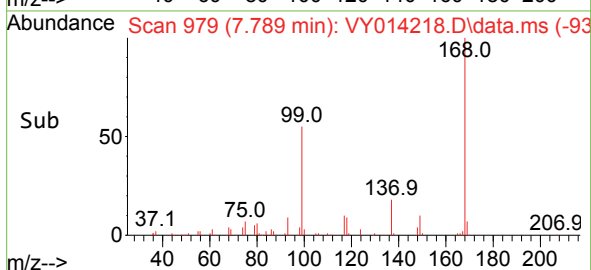
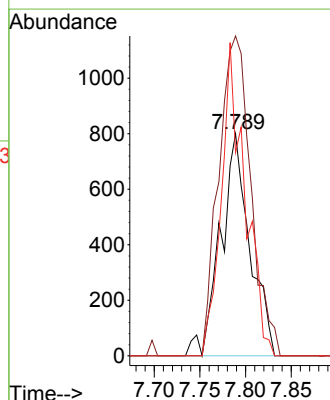
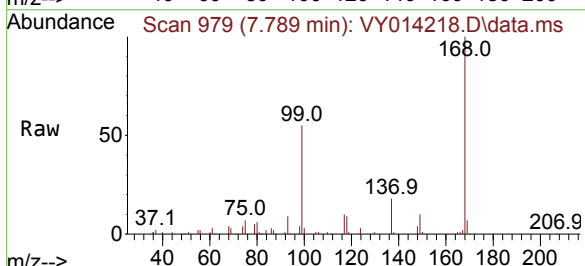
Tgt Ion: 56 Resp: 1781

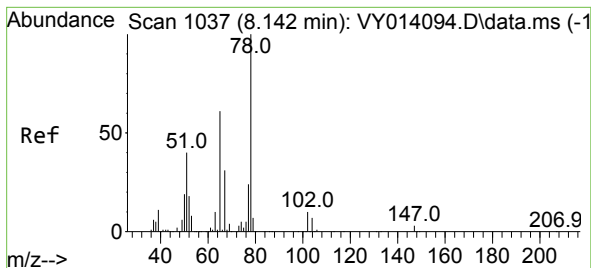
Ion Ratio Lower Upper

56 100

69 144.0 27.8 41.6#

84 91.5 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 40.935 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.001 min

Lab File: VY014218.D

Acq: 16 Jun 2023 21:05

Instrument :

MSVOA_Y

ClientSampleId :

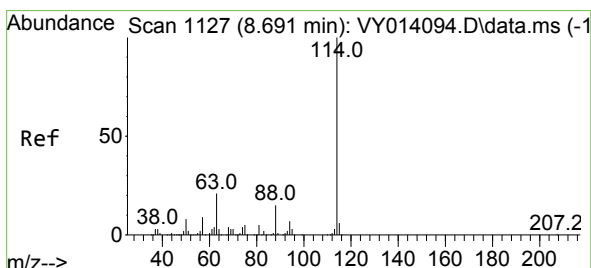
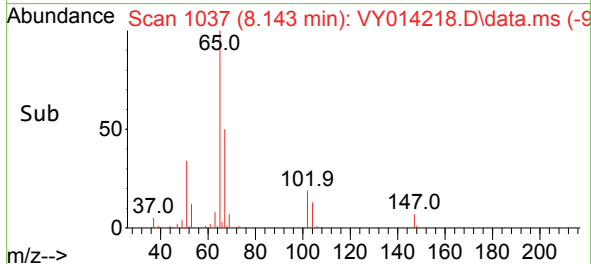
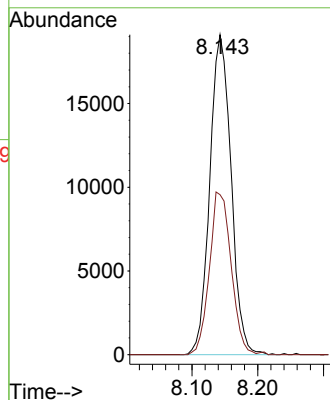
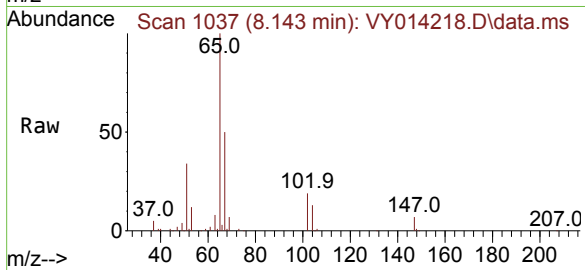
OK-1-061523

Tgt Ion: 65 Resp: 43057

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014218.D

Acq: 16 Jun 2023 21:05

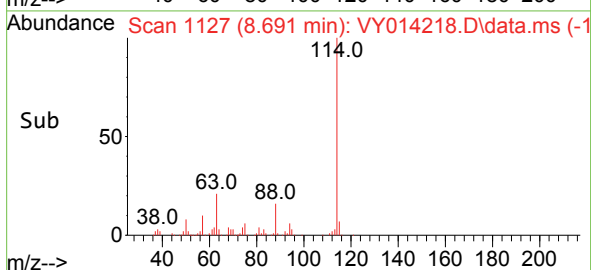
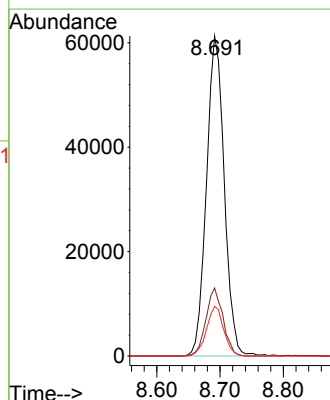
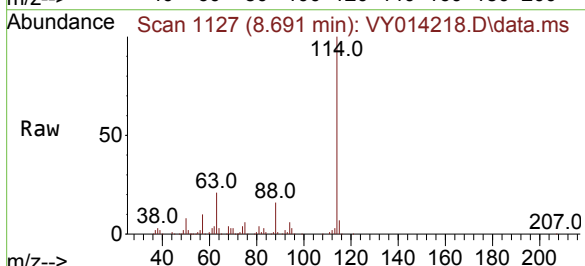
Tgt Ion: 114 Resp: 119920

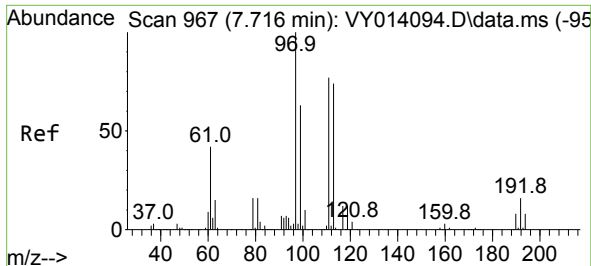
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 15.5 0.0 30.6

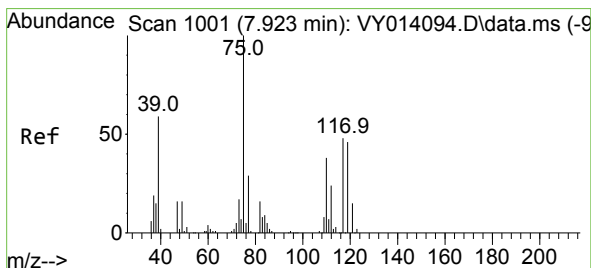
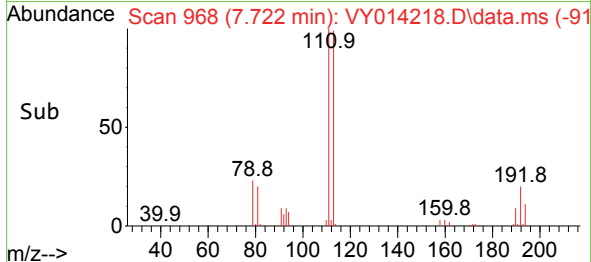
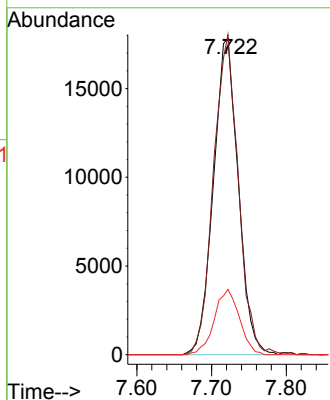
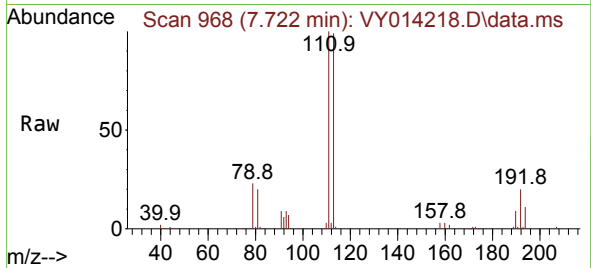




#35
Dibromofluoromethane
Concen: 48.532 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014218.D
Acq: 16 Jun 2023 21:05

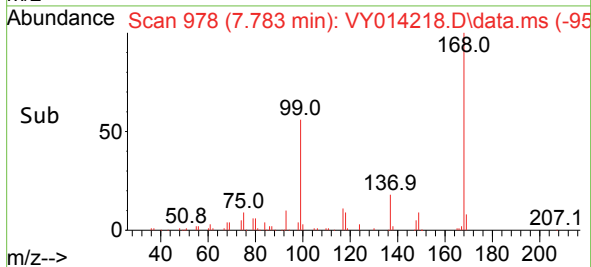
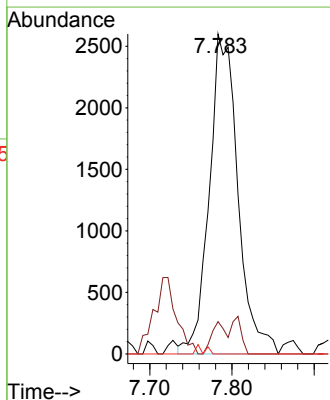
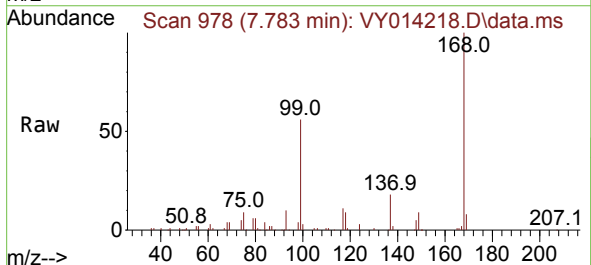
Instrument :
MSVOA_Y
ClientSampleId :
OK-1-061523

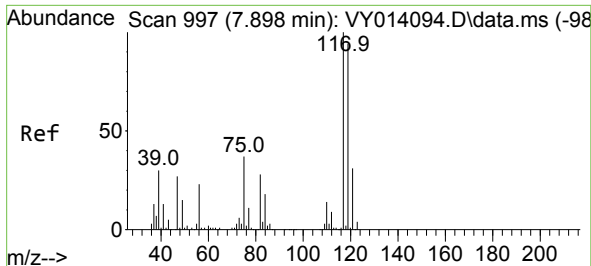
Tgt Ion:113 Resp: 41274
Ion Ratio Lower Upper
113 100
111 101.2 81.3 121.9
192 20.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.740 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014218.D
Acq: 16 Jun 2023 21:05

Tgt Ion: 75 Resp: 6284
Ion Ratio Lower Upper
75 100
110 5.1 17.8 53.5#
77 0.0 24.4 36.6#

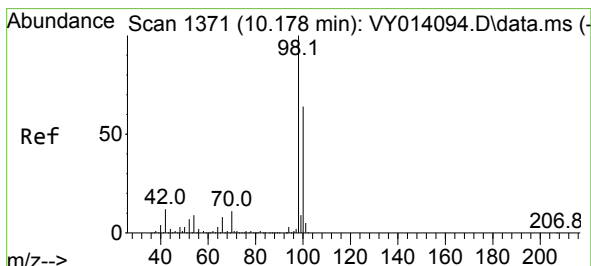
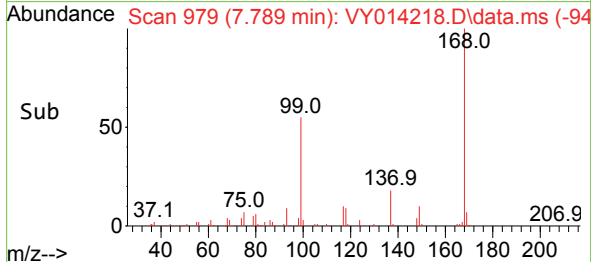
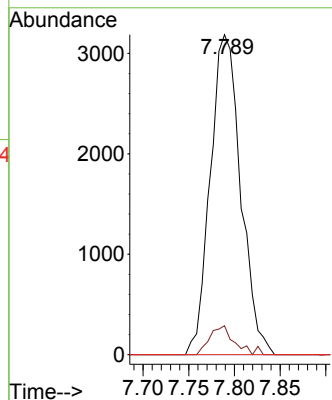
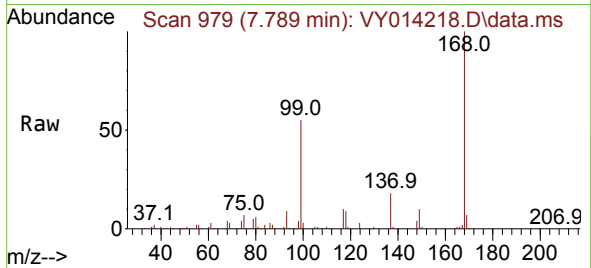




#38
Carbon Tetrachloride
Concen: 4.814 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014218.D
Acq: 16 Jun 2023 21:05

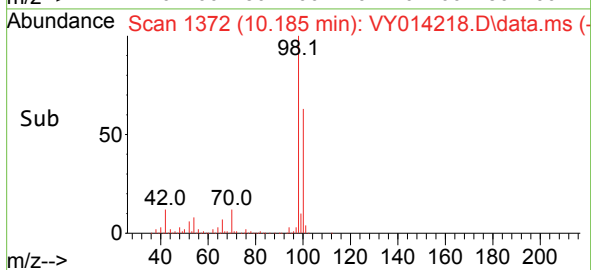
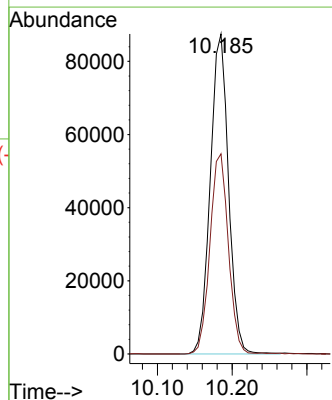
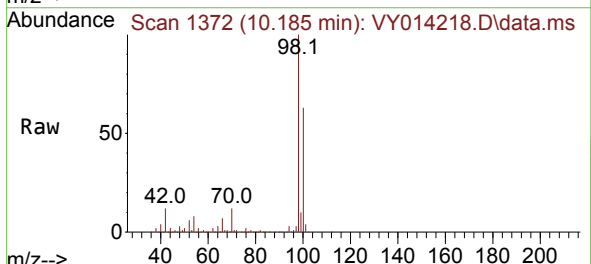
Instrument :
MSVOA_Y
ClientSampleId :
OK-1-061523

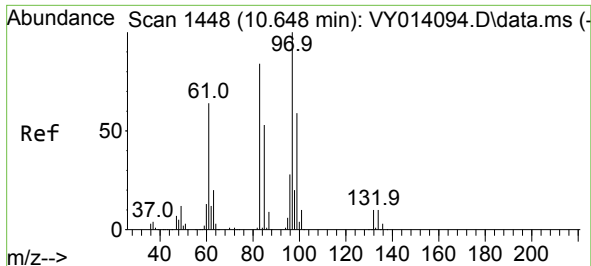
Tgt Ion:117 Resp: 7365
Ion Ratio Lower Upper
117 100
119 9.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.741 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014218.D
Acq: 16 Jun 2023 21:05

Tgt Ion: 98 Resp: 148613
Ion Ratio Lower Upper
98 100
100 63.5 50.1 75.1

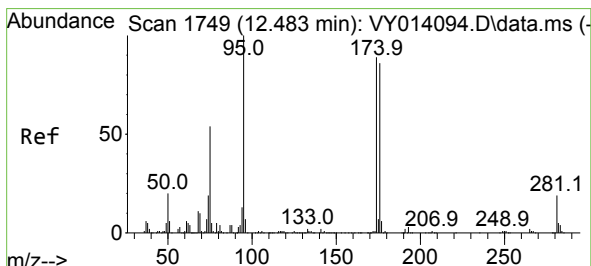
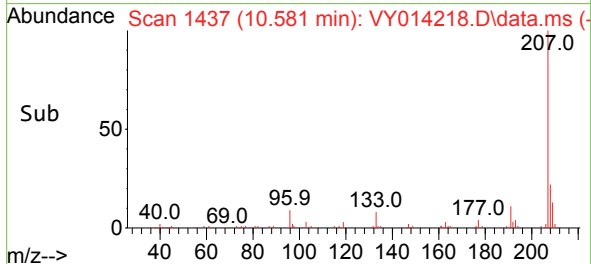
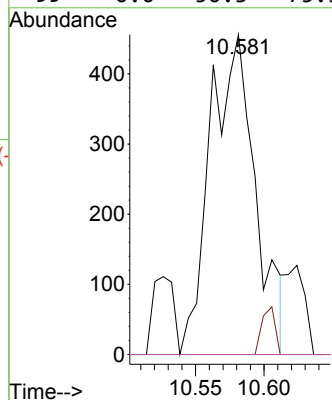
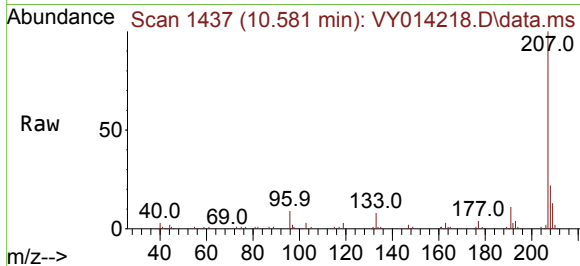




#55
1,1,2-Trichloroethane
Concen: 1.282 ug/l
RT: 10.581 min Scan# 1448
Delta R.T. -0.067 min
Lab File: VY014218.D
Acq: 16 Jun 2023 21:05

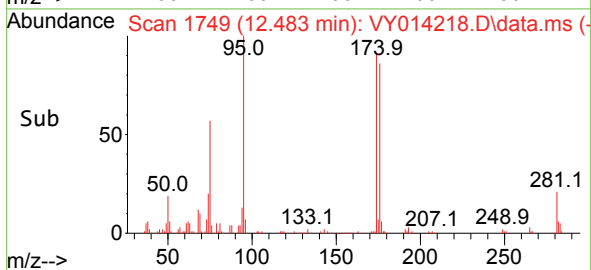
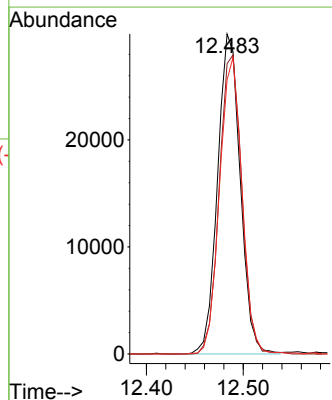
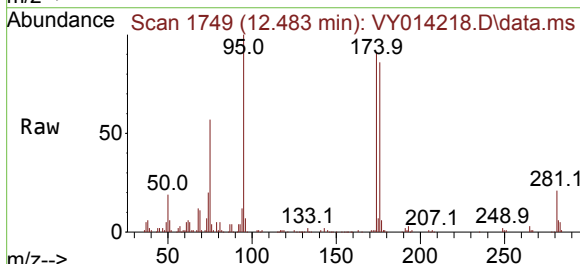
Instrument :
MSVOA_Y
ClientSampleId :
OK-1-061523

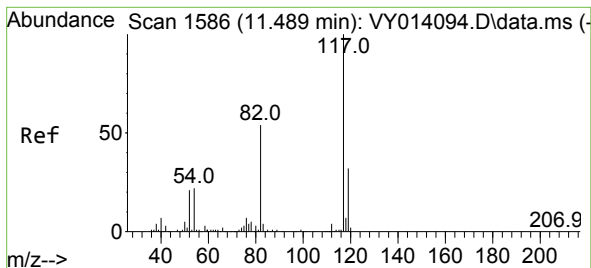
Tgt Ion: 97	Resp:	1048
Ion	Ratio	Lower Upper
97	100	
83	0.0	72.0 108.0#
85	0.0	45.4 68.0#
99	0.0	50.3 75.5#



#62
4-Bromofluorobenzene
Concen: 42.973 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014218.D
Acq: 16 Jun 2023 21:05

Tgt Ion: 95	Resp:	48535
Ion	Ratio	Lower Upper
95	100	
174	93.0	0.0 178.2
176	91.5	0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014218.D

Acq: 16 Jun 2023 21:05

Instrument :

MSVOA_Y

ClientSampleId :

OK-1-061523

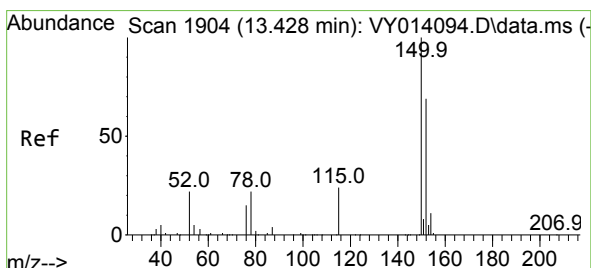
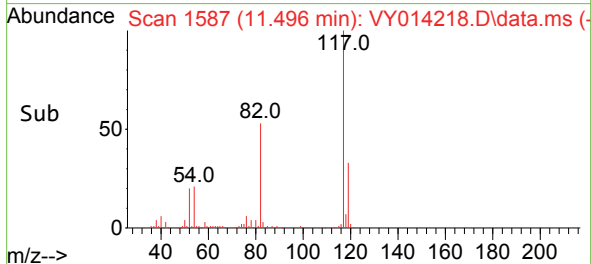
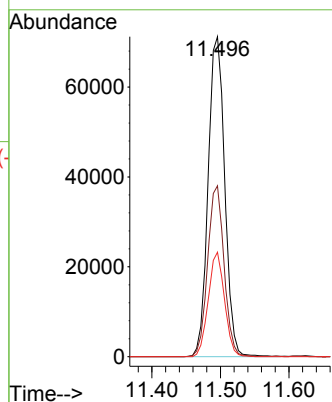
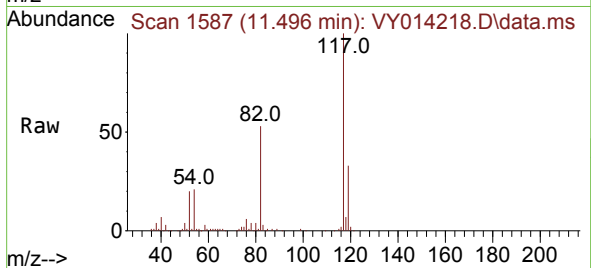
Tgt Ion:117 Resp: 120184

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 32.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014218.D

Acq: 16 Jun 2023 21:05

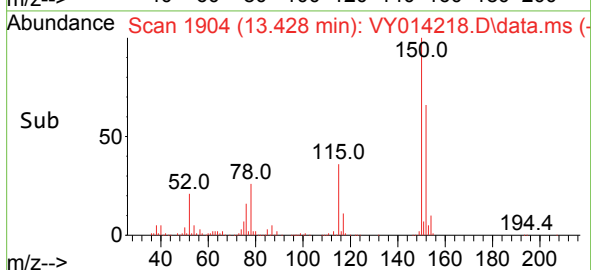
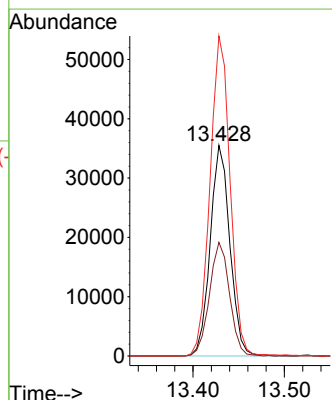
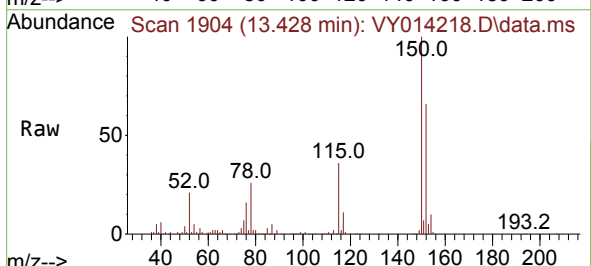
Tgt Ion:152 Resp: 53003

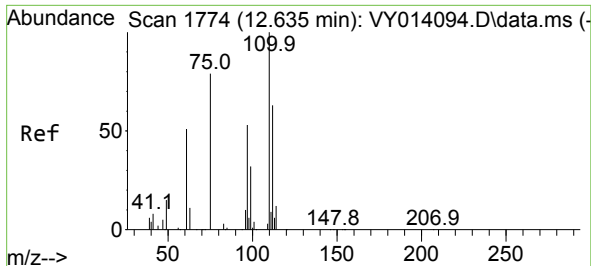
Ion Ratio Lower Upper

152 100

115 55.0 28.8 86.5

150 155.5 0.0 348.8

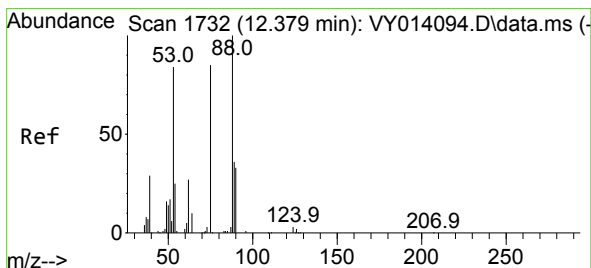
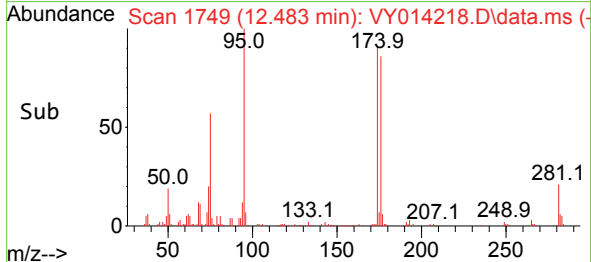
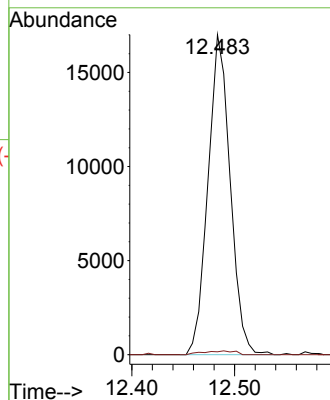
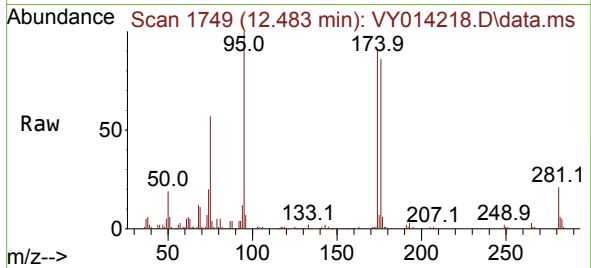




#76
1,2,3-Trichloropropane
Concen: 36.735 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014218.D
Acq: 16 Jun 2023 21:05

Instrument :
MSVOA_Y
ClientSampleId :
OK-1-061523

Tgt Ion: 75 Resp: 25545
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.407 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014218.D
Acq: 16 Jun 2023 21:05

Tgt Ion: 75 Resp: 25545
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.3 37.4 56.0#

