

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070323\
 Data File : VY014545.D
 Acq On : 03 Jul 2023 19:07
 Operator : KP/MD
 Sample : 03497-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-2-063023

Quant Time: Jul 04 03:05:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

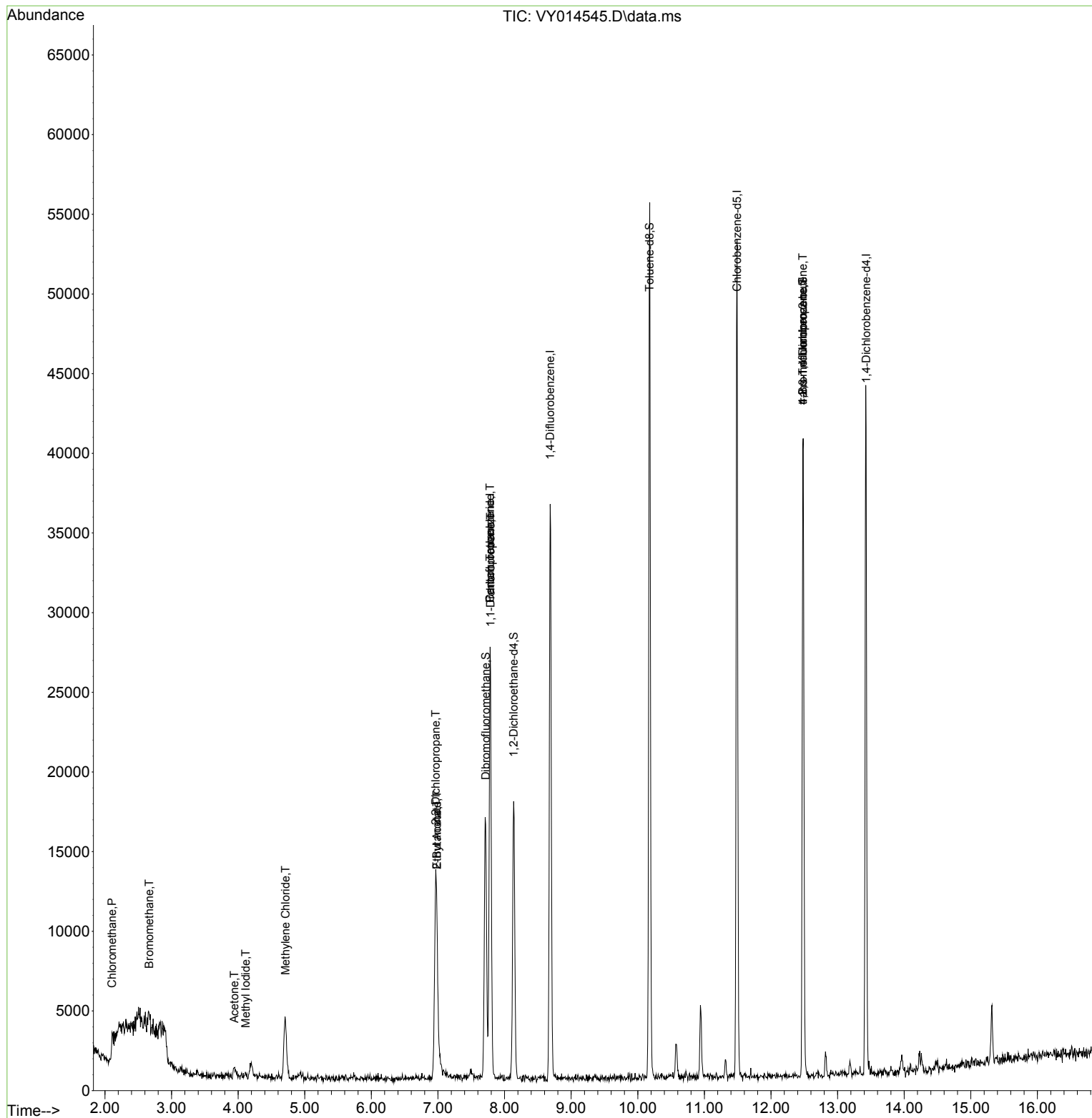
Internal Standards						
1) Pentafluorobenzene	7.783	168	23445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	34809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	32338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	12967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	13893	59.569	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.140%			
35) Dibromofluoromethane	7.716	113	12406	57.876	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.760%			
50) Toluene-d8	10.179	98	40087	47.307	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.620%			
62) 4-Bromofluorobenzene	12.477	95	12053	40.963	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.920%			
Target Compounds			Qvalue			
3) Chloromethane	2.107	50	579	2.132	ug/l	91
5) Bromomethane	2.662	94	526	2.167	ug/l #	67
10) Methyl Iodide	4.113	142	397	1.533	ug/l #	56
11) Tert butyl alcohol	4.960	59	129	Below Cal	#	89
16) Acetone	3.942	43	989	13.579	ug/l #	68
20) Methylene Chloride	4.710	84	3062	7.212	ug/l #	79
25) 2-Butanone	6.984	43	659	6.111	ug/l #	49
26) 2,2-Dichloropropane	6.966	77	1210	3.311	ug/l #	54
36) 1,1-Dichloropropene	7.789	75	1525	4.646	ug/l #	43
37) Ethyl Acetate	6.984	43	659	2.927	ug/l #	16
38) Carbon Tetrachloride	7.783	117	1732	5.054	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	5278	34.687	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5278	67.514	ug/l #	10

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

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QLast Update : Fri Jun 30 19:02:11 2023
Response via : Initial Calibration

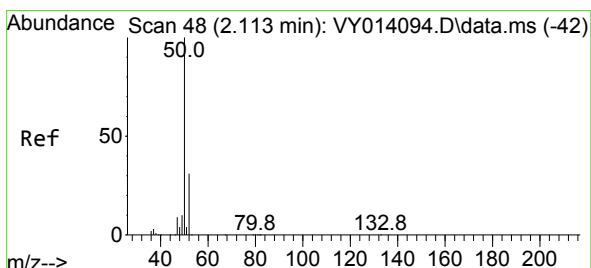
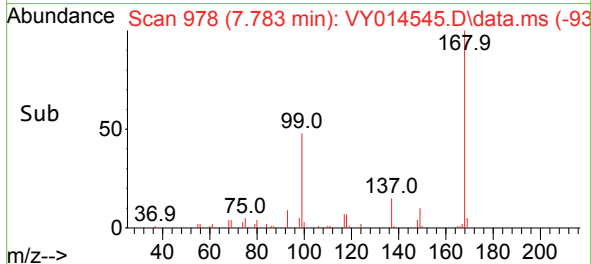
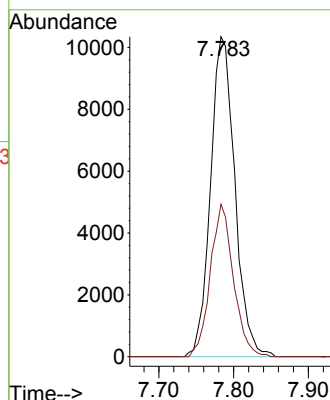
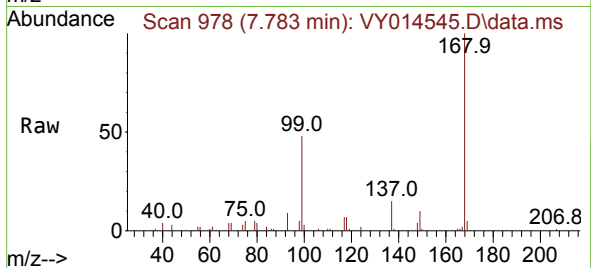




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014545.D
Acq: 03 Jul 2023 19:07

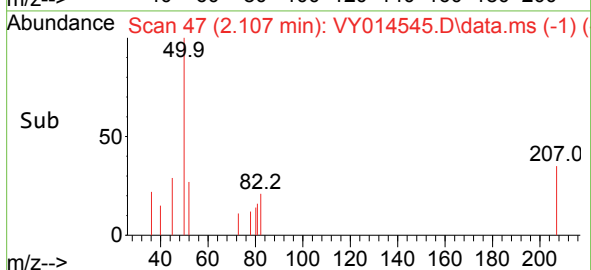
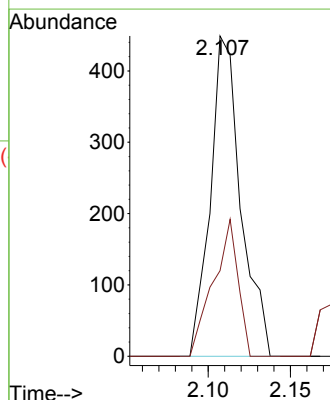
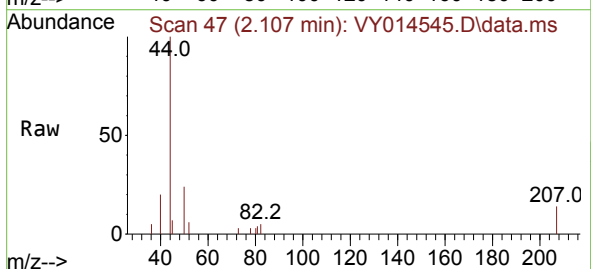
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-063023

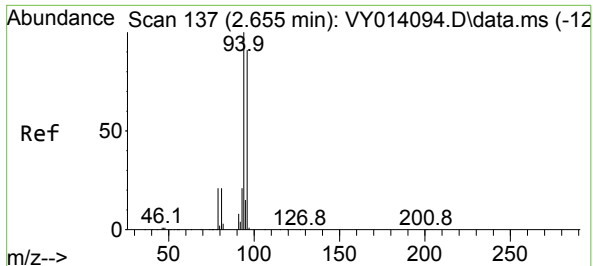
Tgt Ion:168 Resp: 23445
Ion Ratio Lower Upper
168 100
99 47.6 43.4 65.0



#3
Chloromethane
Concen: 2.132 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY014545.D
Acq: 03 Jul 2023 19:07

Tgt Ion: 50 Resp: 579
Ion Ratio Lower Upper
50 100
52 26.7 25.4 38.2

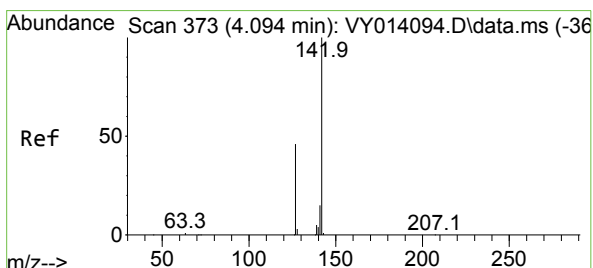
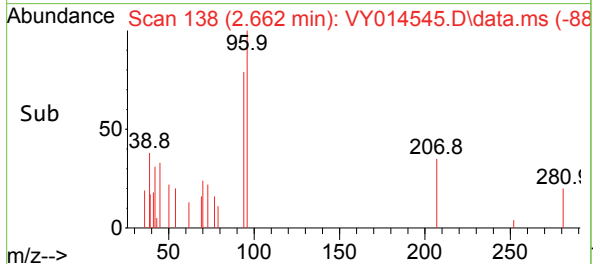
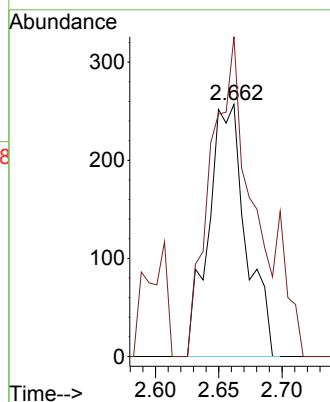
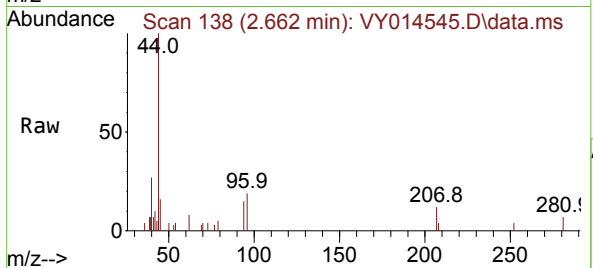




#5
Bromomethane
Concen: 2.167 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014545.D
Acq: 03 Jul 2023 19:07

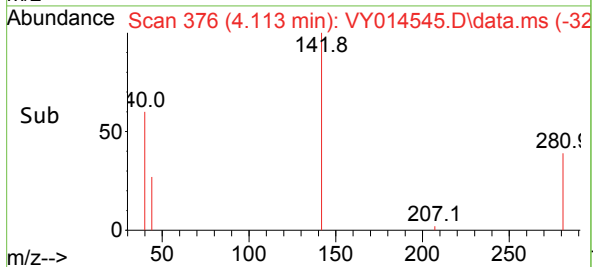
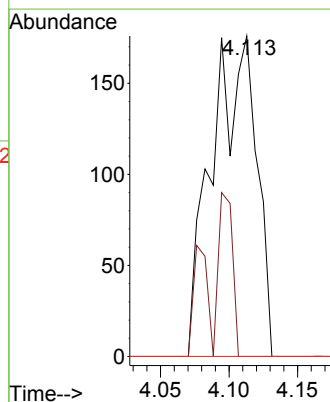
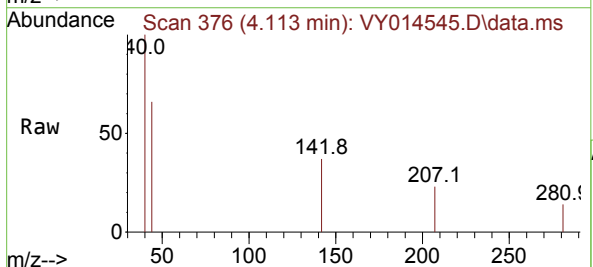
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-063023

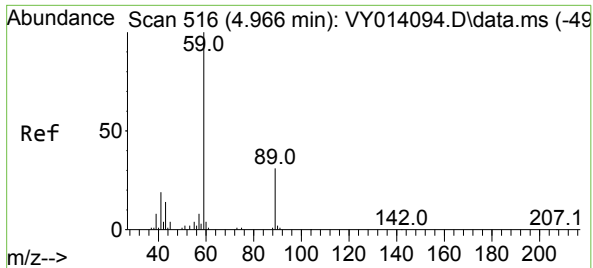
Tgt Ion: 94 Resp: 526
Ion Ratio Lower Upper
94 100
96 126.8 75.8 113.6#



#10
Methyl Iodide
Concen: 1.533 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.019 min
Lab File: VY014545.D
Acq: 03 Jul 2023 19:07

Tgt Ion:142 Resp: 397
Ion Ratio Lower Upper
142 100
127 16.1 37.6 56.4#
141 0.0 11.8 17.8#

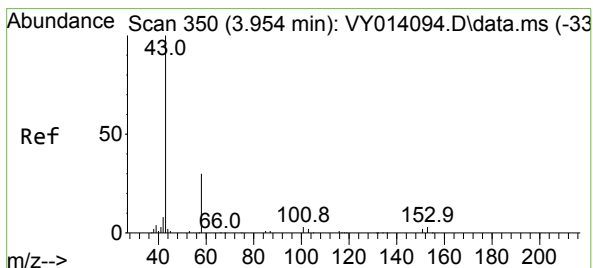
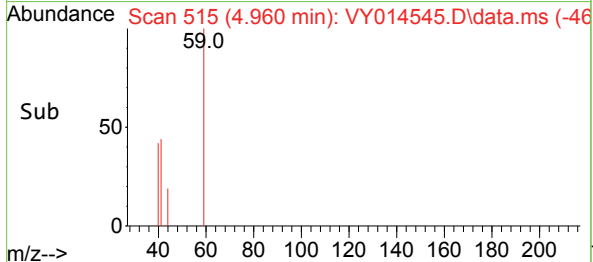
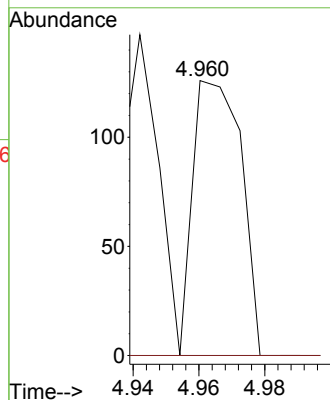
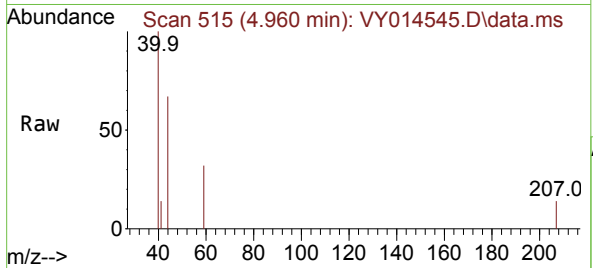




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY014545.D
Acq: 03 Jul 2023 19:07

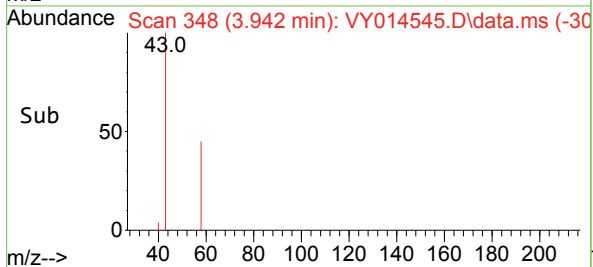
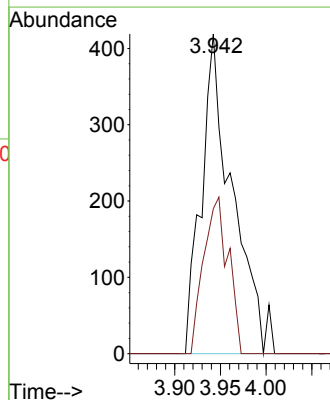
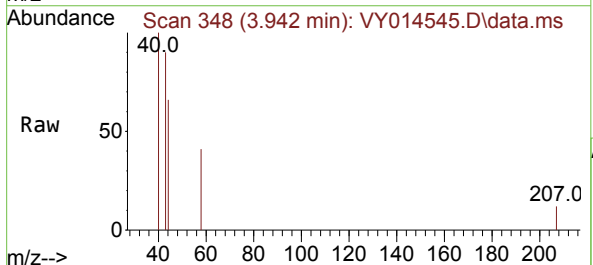
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-063023

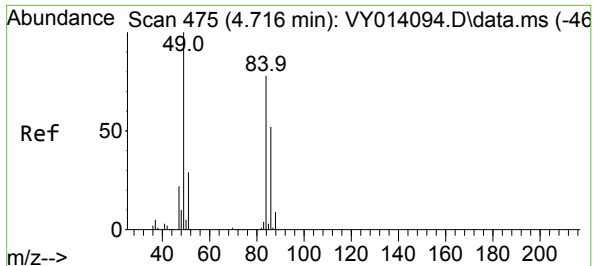
Tgt Ion: 59 Resp: 129
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 13.579 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY014545.D
Acq: 03 Jul 2023 19:07

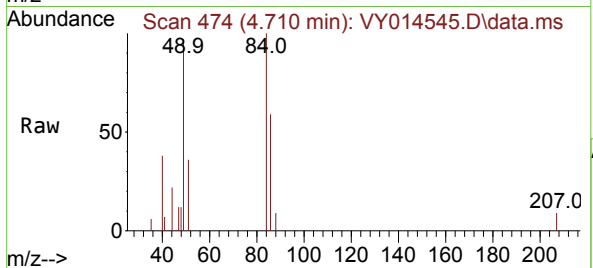
Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
58 45.3 22.7 34.1#



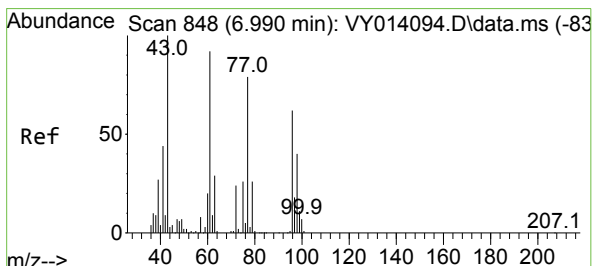
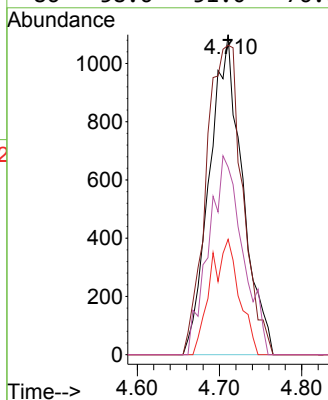
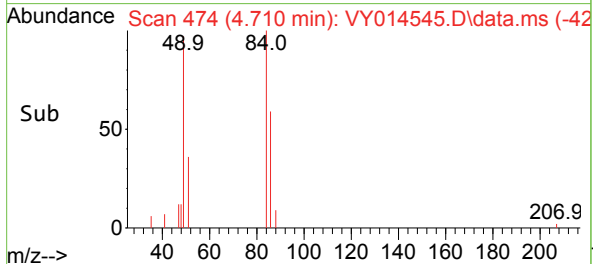


#20
Methylene Chloride
Concen: 7.212 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014545.D
Acq: 03 Jul 2023 19:07

Instrument :
MSVOA_Y
ClientSampleId :
OK-2-063023

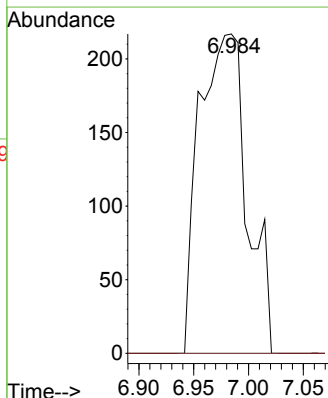
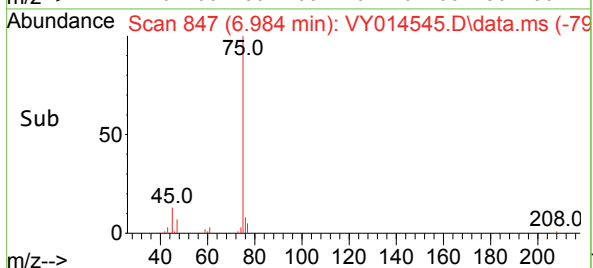
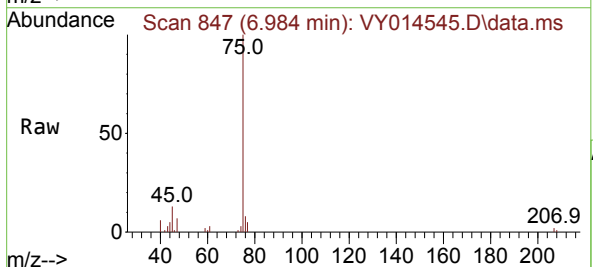


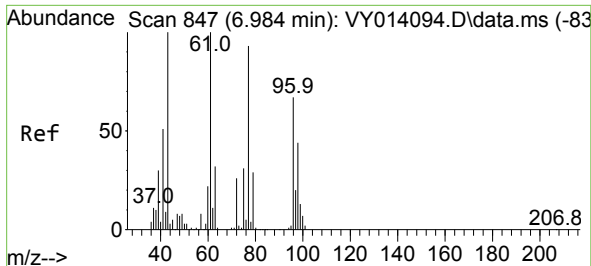
Tgt Ion: 84	Resp: 3062
Ion Ratio	Lower Upper
84 100	
49 96.7	106.9 160.3#
51 36.0	33.2 49.8
86 58.6	51.0 76.6



#25
2-Butanone
Concen: 6.111 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014545.D
Acq: 03 Jul 2023 19:07

Tgt Ion: 43	Resp:	659	
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 3.311 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY014545.D

Acq: 03 Jul 2023 19:07

Instrument :

MSVOA_Y

ClientSampleId :

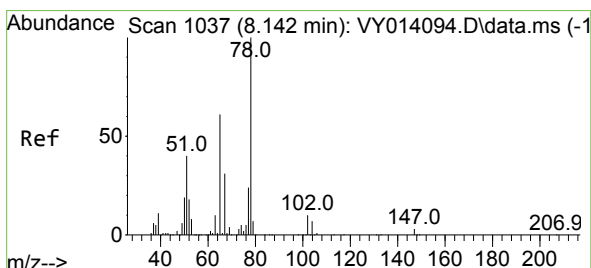
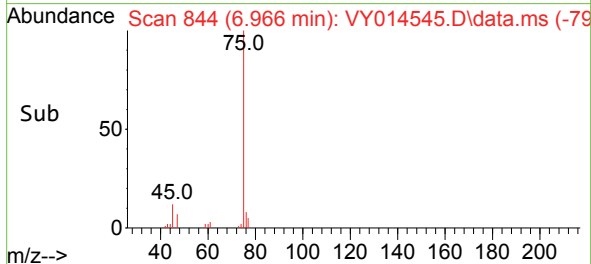
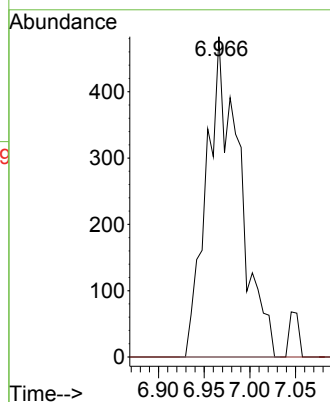
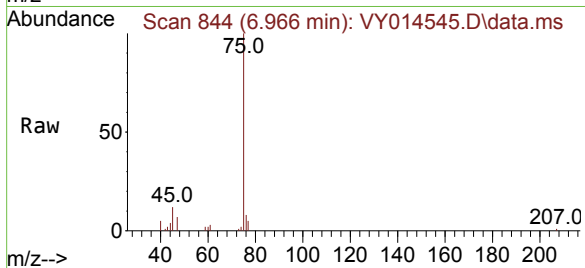
OK-2-063023

Tgt Ion: 77 Resp: 1210

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 59.569 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.005 min

Lab File: VY014545.D

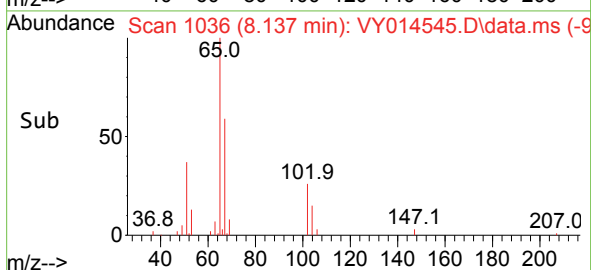
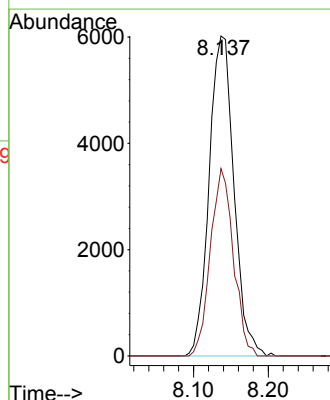
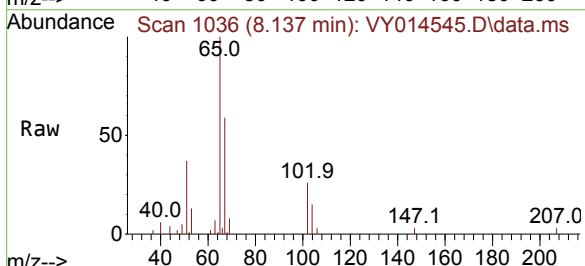
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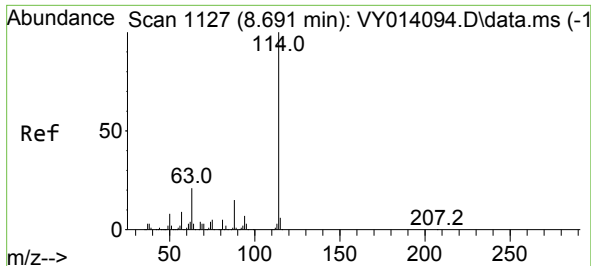
Tgt Ion: 65 Resp: 13893

Ion Ratio Lower Upper

65 100

67 54.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014545.D

Acq: 03 Jul 2023 19:07

Instrument :

MSVOA_Y

ClientSampleId :

OK-2-063023

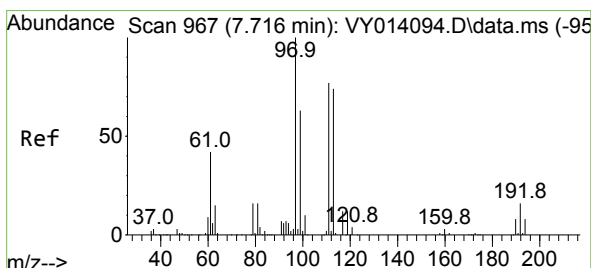
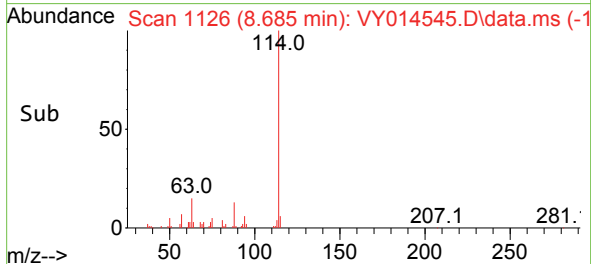
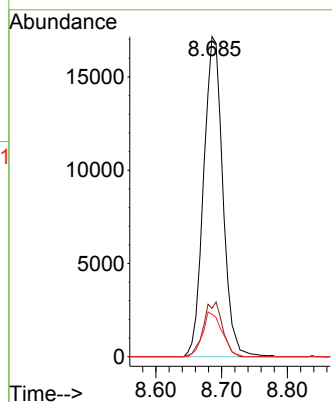
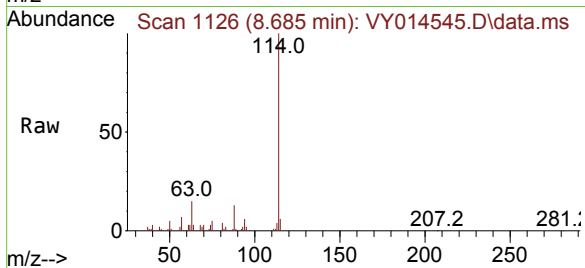
Tgt Ion:114 Resp: 34809

Ion Ratio Lower Upper

114 100

63 15.1 0.0 42.4

88 13.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.876 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014545.D

Acq: 03 Jul 2023 19:07

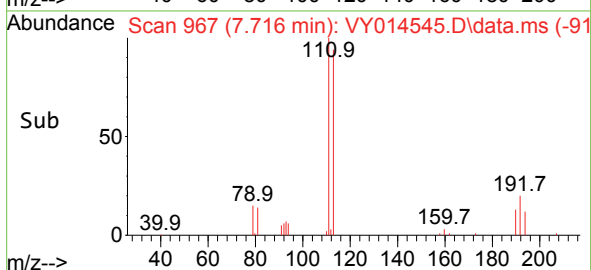
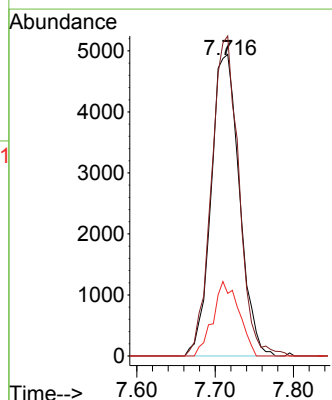
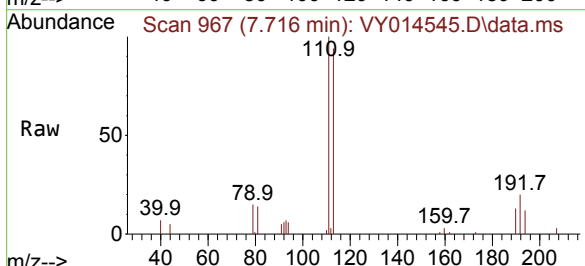
Tgt Ion:113 Resp: 12406

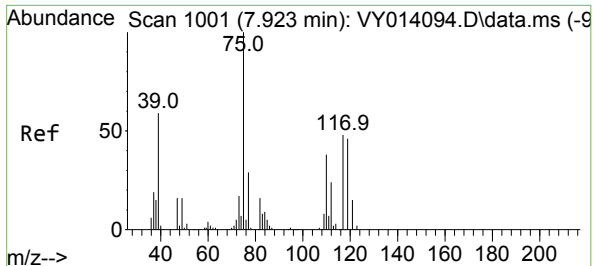
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 22.6 16.9 25.3

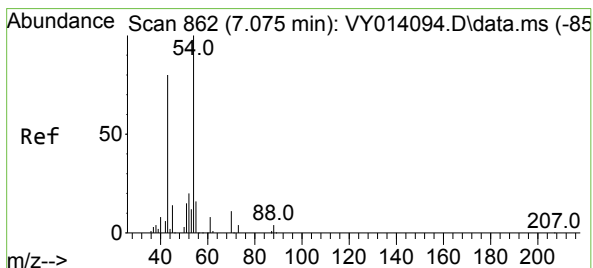
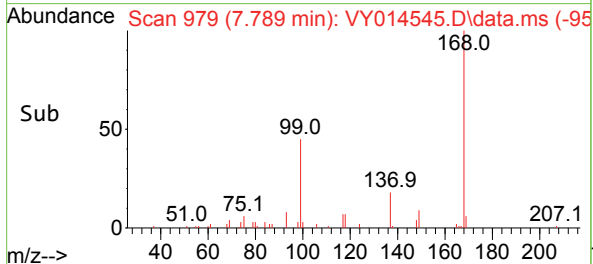
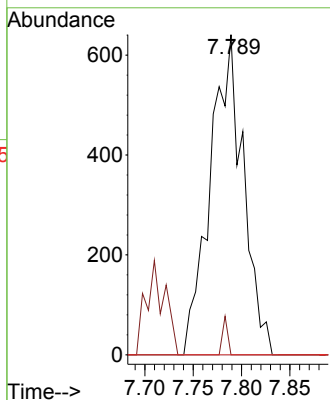
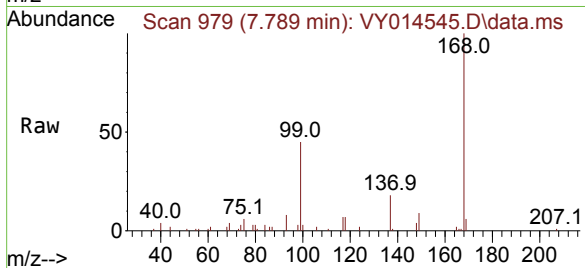




#36
 1,1-Dichloropropene
 Concen: 4.646 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY014545.D
 Acq: 03 Jul 2023 19:07

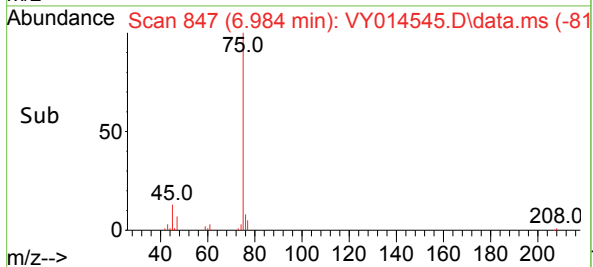
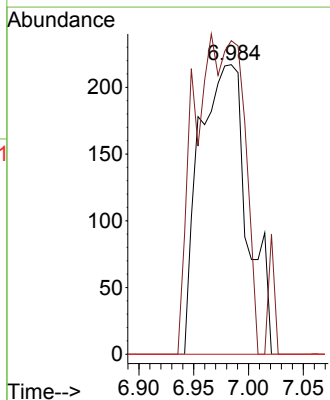
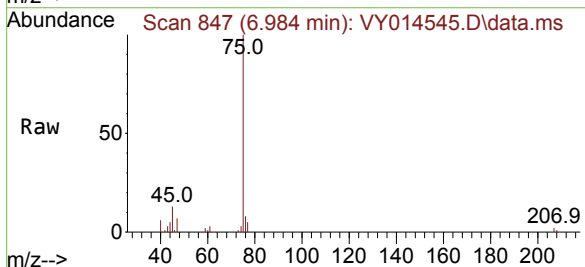
Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-2-063023

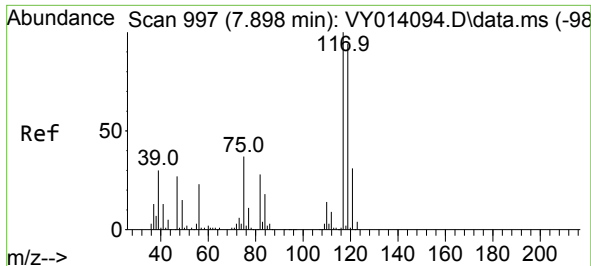
Tgt Ion: 75 Resp: 1525
 Ion Ratio Lower Upper
 75 100
 110 1.8 17.8 53.5#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 2.927 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. -0.091 min
 Lab File: VY014545.D
 Acq: 03 Jul 2023 19:07

Tgt Ion: 43 Resp: 659
 Ion Ratio Lower Upper
 43 100
 61 61.9 10.1 15.1#
 70 0.0 7.1 10.7#

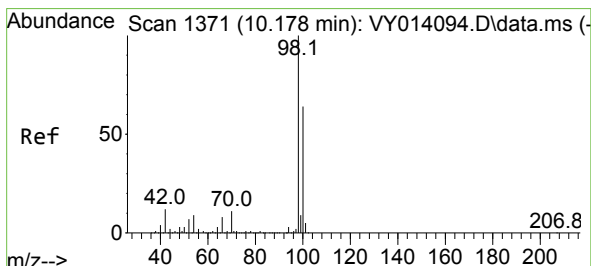
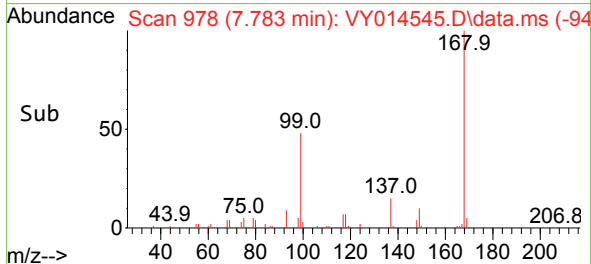
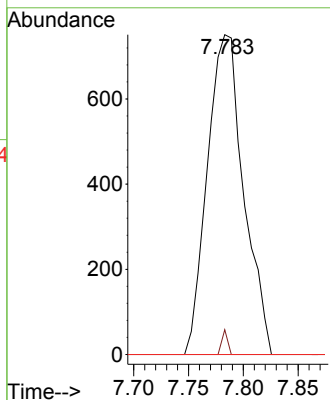
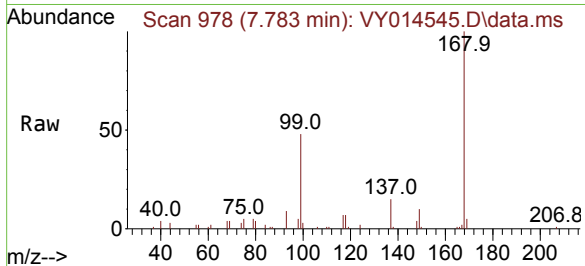




#38
Carbon Tetrachloride
Concen: 5.054 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014545.D
Acq: 03 Jul 2023 19:07

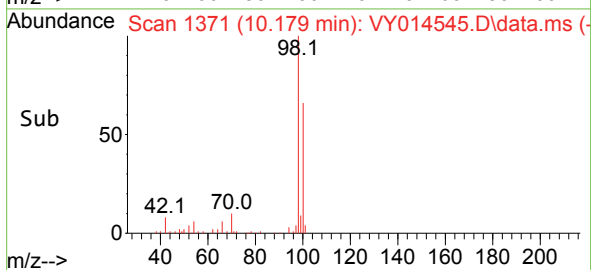
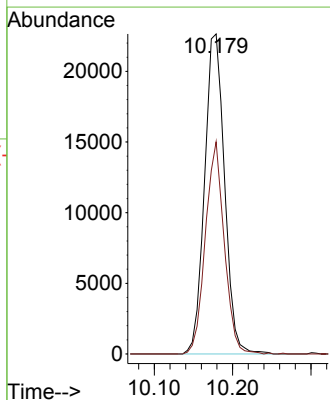
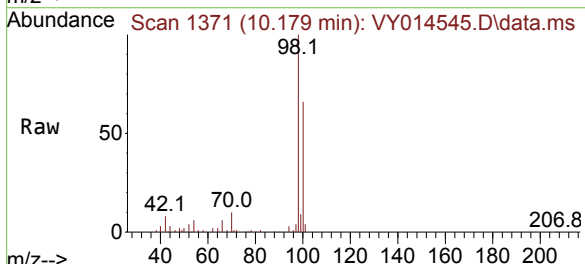
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-063023

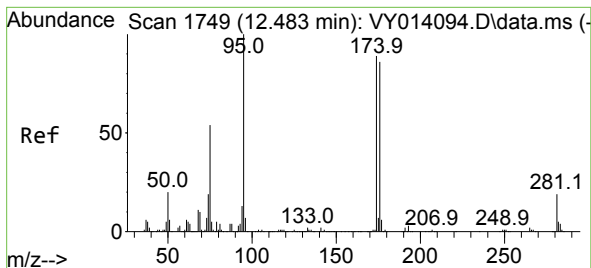
Tgt Ion:117 Resp: 1732
Ion Ratio Lower Upper
117 100
119 7.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.307 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014545.D
Acq: 03 Jul 2023 19:07

Tgt Ion: 98 Resp: 40087
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1

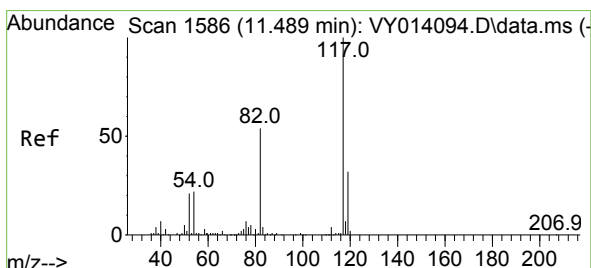
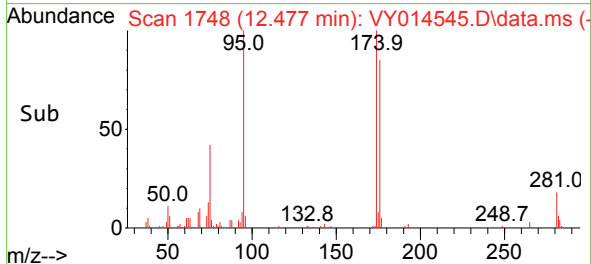
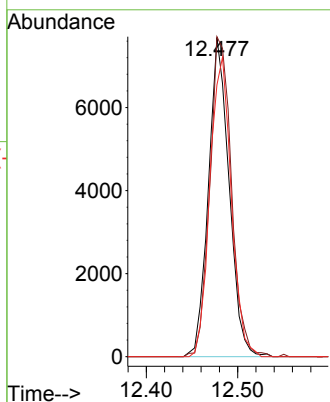
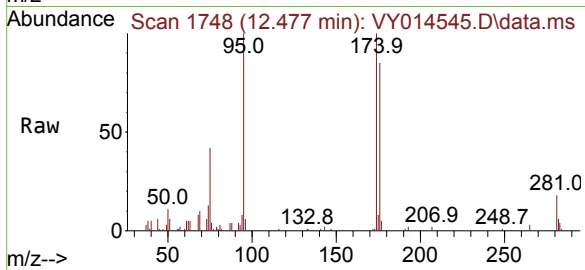




#62
4-Bromofluorobenzene
Concen: 40.963 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014545.D
Acq: 03 Jul 2023 19:07

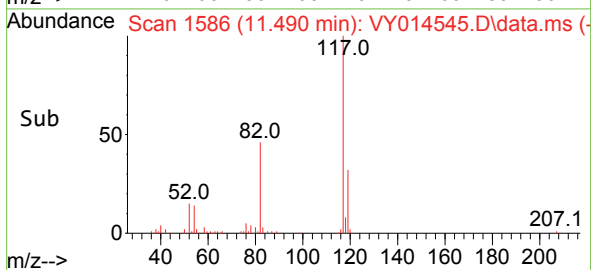
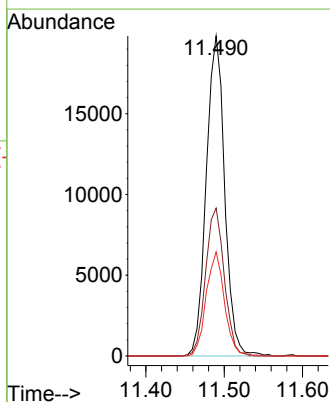
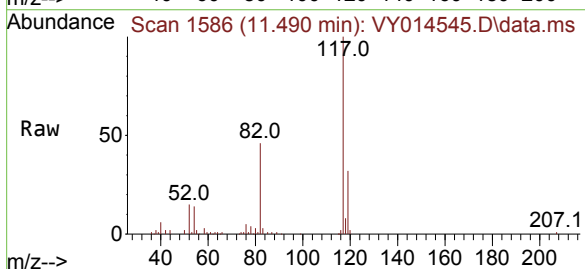
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-063023

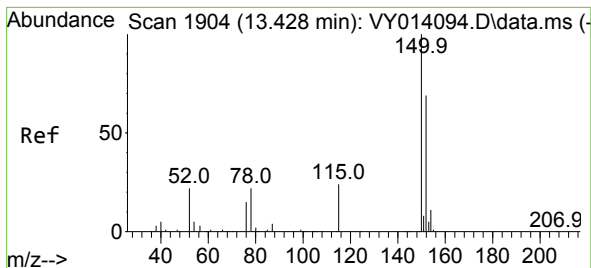
Tgt Ion: 95 Resp: 12053
Ion Ratio Lower Upper
95 100
174 105.2 0.0 178.2
176 97.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014545.D
Acq: 03 Jul 2023 19:07

Tgt Ion: 117 Resp: 32338
Ion Ratio Lower Upper
117 100
82 46.2 43.4 65.0
119 32.5 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: VY014545.D

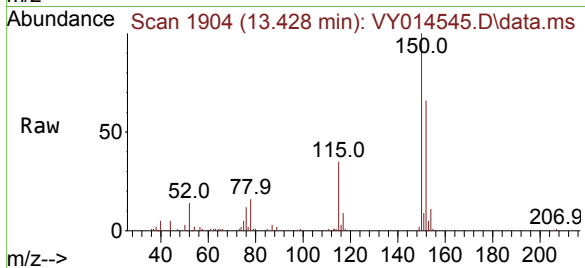
Acq: 03 Jul 2023 19:07

Instrument :

MSVOA_Y

ClientSampleId :

OK-2-063023



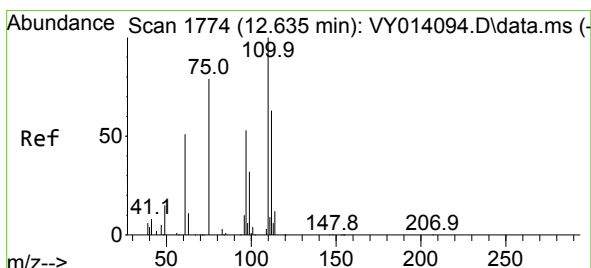
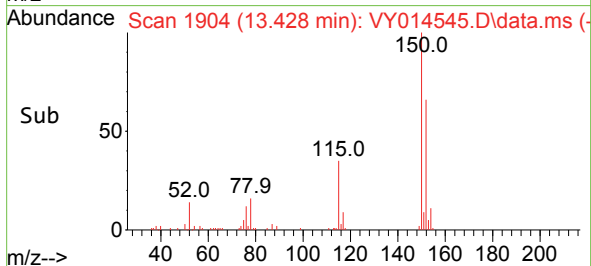
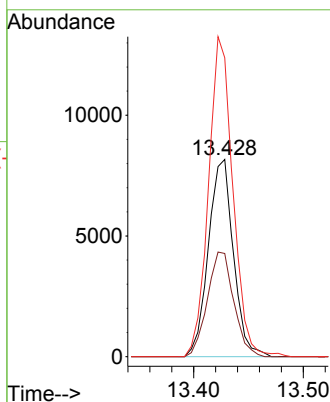
Tgt Ion:152 Resp: 12967

Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.5

150 157.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 34.687 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014545.D

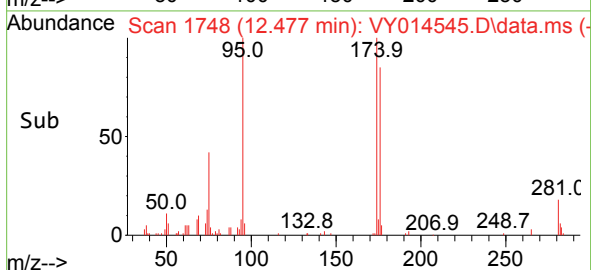
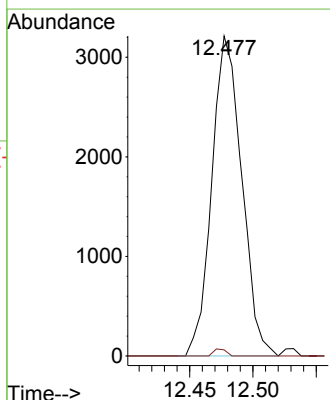
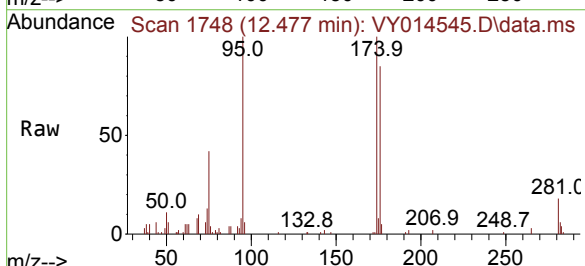
Acq: 03 Jul 2023 19:07

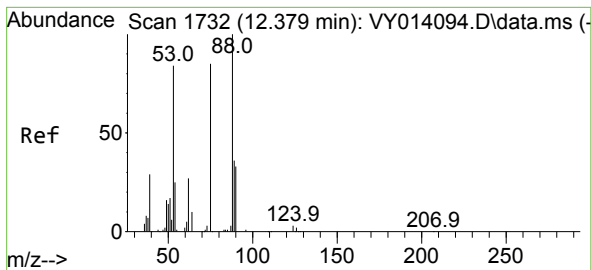
Tgt Ion: 75 Resp: 5278

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 67.514 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY014545.D
Acq: 03 Jul 2023 19:07

Instrument :
MSVOA_Y
ClientSampleId :
OK-2-063023

Tgt Ion: 75 Resp: 5278
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

