

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062823\
 Data File : VY014481.D
 Acq On : 28 Jun 2023 15:22
 Operator : KP/MD
 Sample : 03412-04
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUCT-2

Quant Time: Jun 29 02:18:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

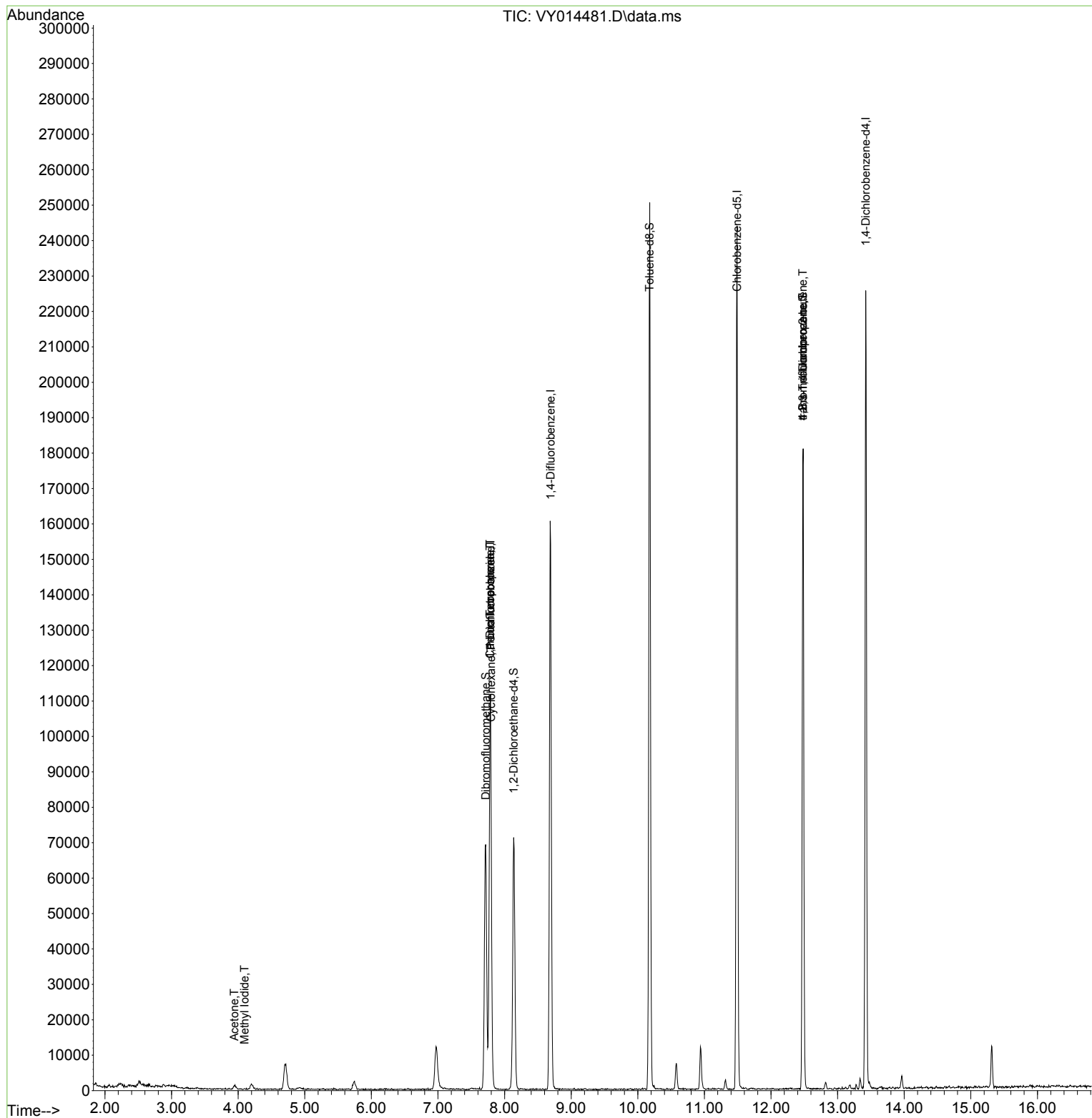
Internal Standards						
1) Pentafluorobenzene	7.789	168	87706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	135130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	130237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	59476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	59435	54.580	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.160%	
35) Dibromofluoromethane	7.716	113	46629	55.852	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.700%	
50) Toluene-d8	10.179	98	162034	48.825	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.640%	
62) 4-Bromofluorobenzene	12.477	95	49853	42.078	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.160%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	82	2.947	ug/l #	38
11) Tert butyl alcohol	4.966	59	109	Below Cal	#	89
16) Acetone	3.942	43	2092	6.105	ug/l	97
20) Methylene Chloride	4.716	84	5411	Below Cal	#	77
31) Cyclohexane	7.795	56	1704	1.267	ug/l #	23
36) 1,1-Dichloropropene	7.783	75	6346	4.933	ug/l #	51
38) Carbon Tetrachloride	7.783	117	8848	5.465	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	26791	35.909	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	26791	81.753	ug/l #	11

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

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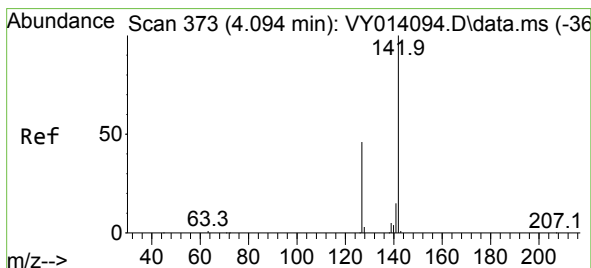
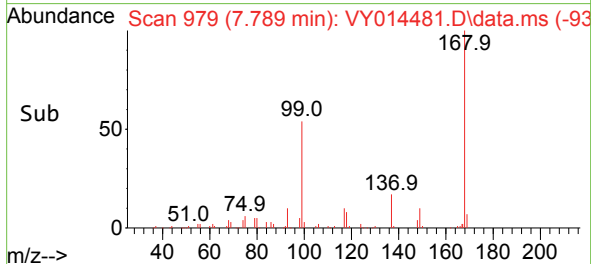
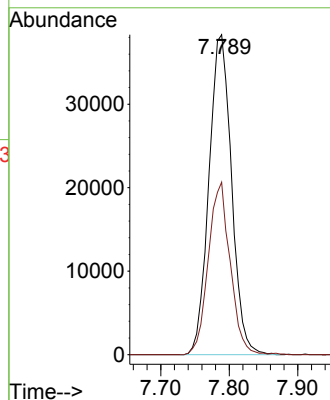
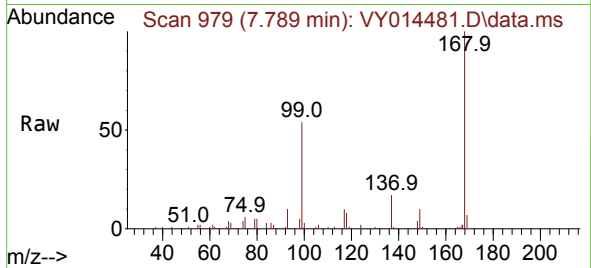




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014481.D
Acq: 28 Jun 2023 15:22

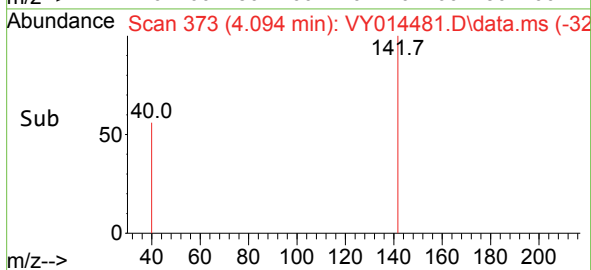
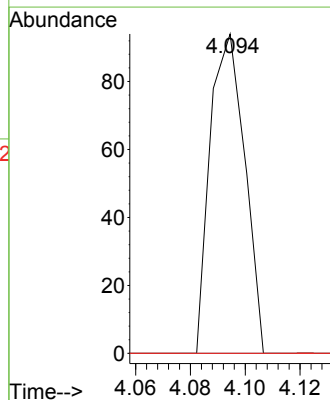
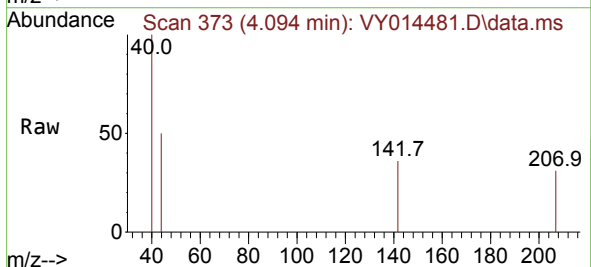
Instrument :
MSVOA_Y
ClientSampleId :
DUCT-2

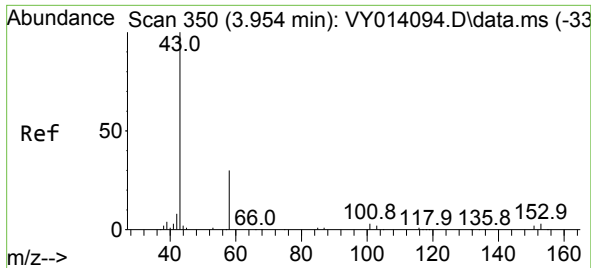
Tgt Ion:168 Resp: 87706
Ion Ratio Lower Upper
168 100
99 53.9 43.4 65.0



#10
Methyl Iodide
Concen: 2.947 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY014481.D
Acq: 28 Jun 2023 15:22

Tgt Ion:142 Resp: 82
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

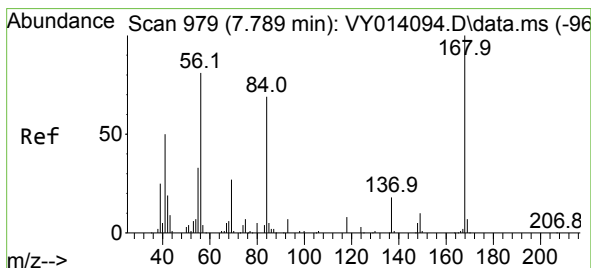
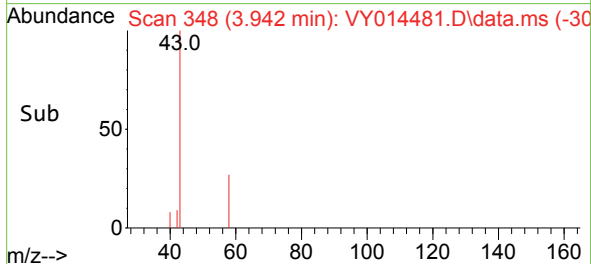
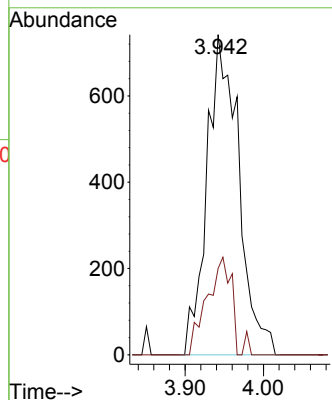
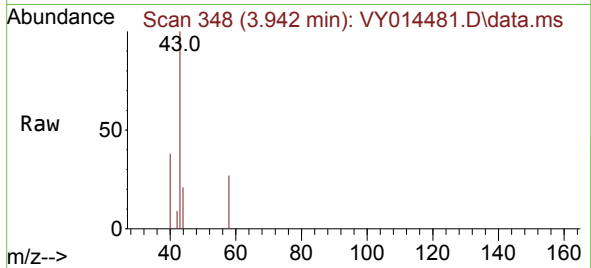




#16
Acetone
Concen: 6.105 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014481.D
Acq: 28 Jun 2023 15:22

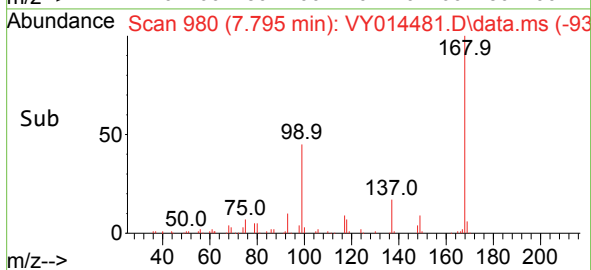
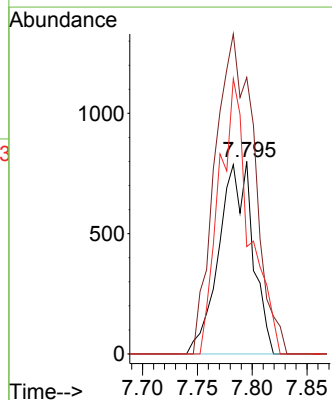
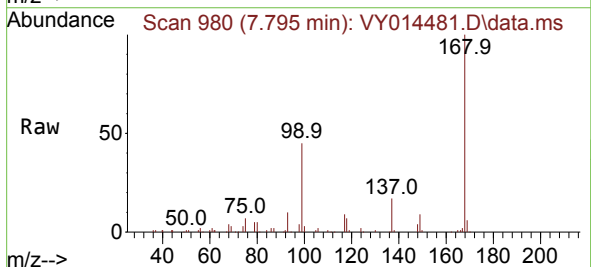
Instrument :
MSVOA_Y
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DUCT-2

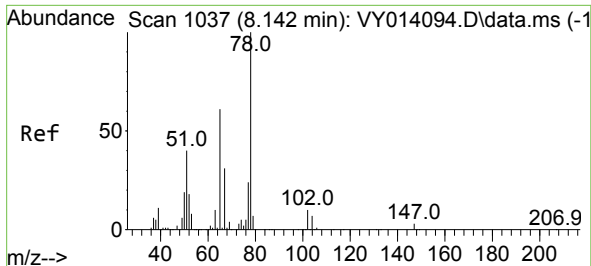
Tgt Ion: 43 Resp: 2092
Ion Ratio Lower Upper
43 100
58 27.0 22.7 34.1



#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY014481.D
Acq: 28 Jun 2023 15:22

Tgt Ion: 56 Resp: 1704
Ion Ratio Lower Upper
56 100
69 143.6 27.8 41.6#
84 55.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 54.580 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014481.D

Acq: 28 Jun 2023 15:22

Instrument :

MSVOA_Y

ClientSampleId :

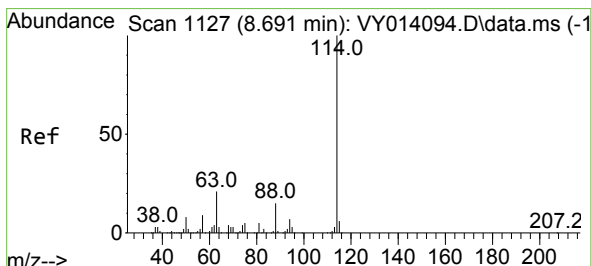
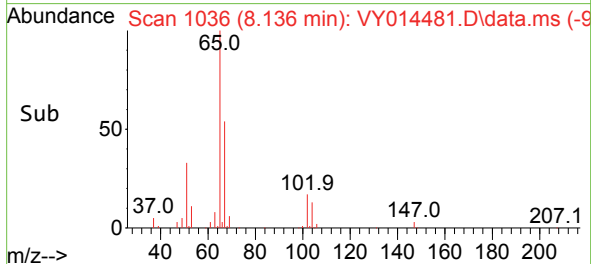
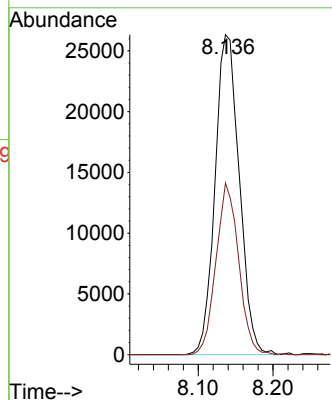
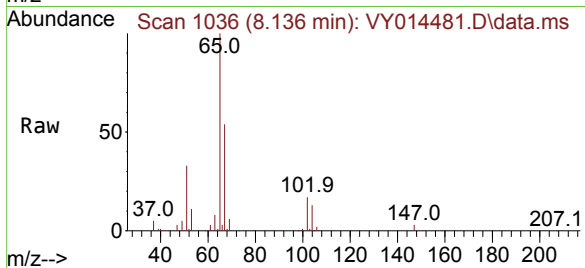
DUCT-2

Tgt Ion: 65 Resp: 59435

Ion Ratio Lower Upper

65 100

67 50.1 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: VY014481.D

Acq: 28 Jun 2023 15:22

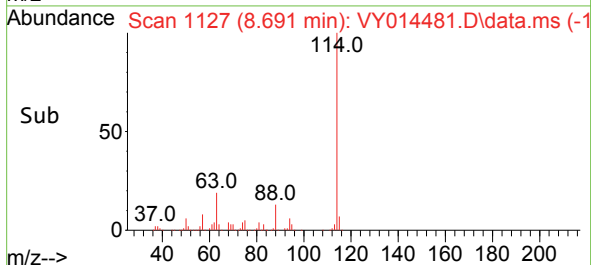
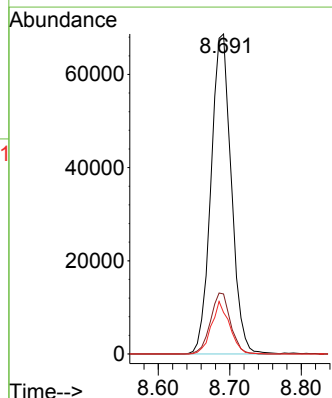
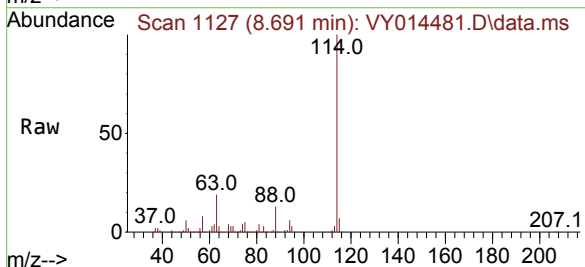
Tgt Ion:114 Resp: 135130

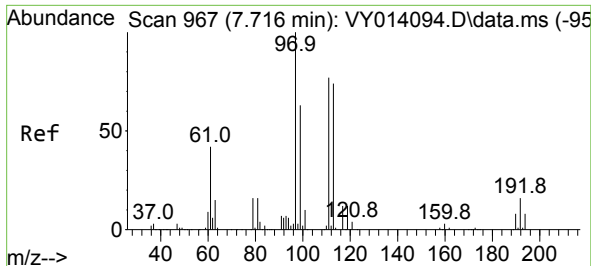
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 13.0 0.0 30.6

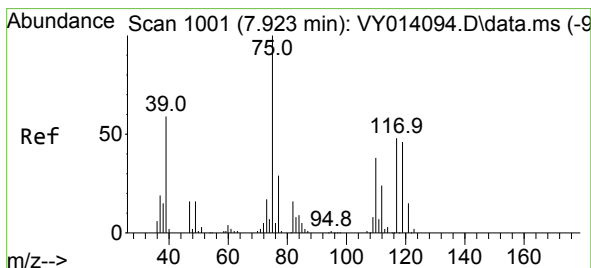
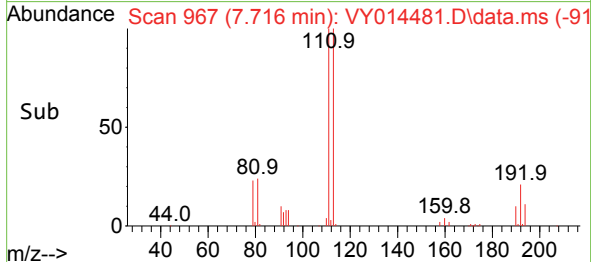
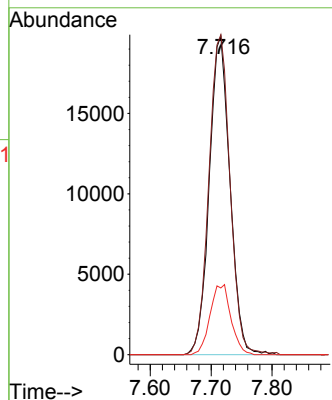
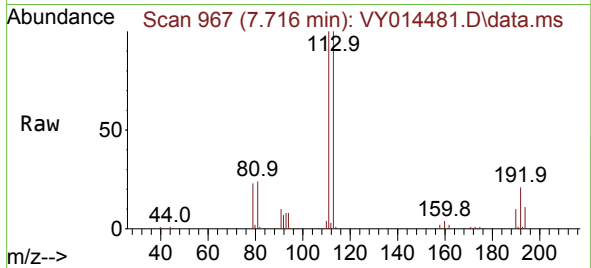




#35
Dibromofluoromethane
Concen: 55.852 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014481.D
Acq: 28 Jun 2023 15:22

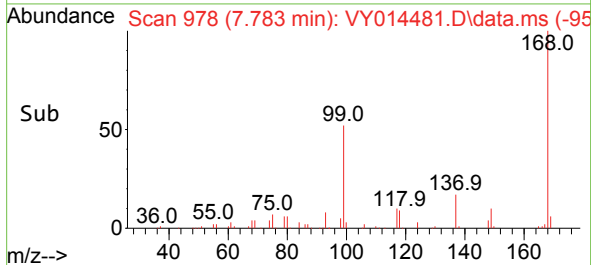
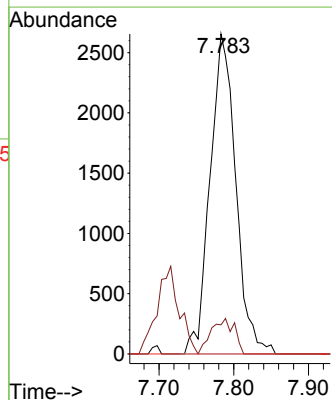
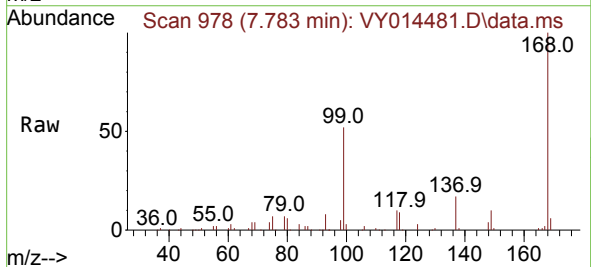
Instrument :
MSVOA_Y
ClientSampleId :
DUCT-2

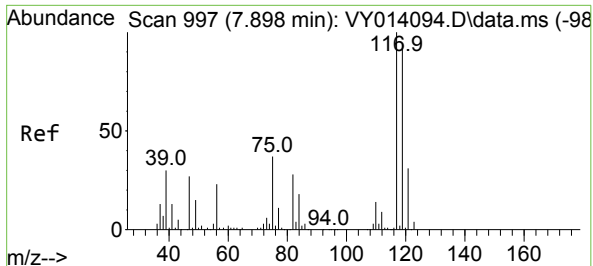
Tgt Ion:113 Resp: 46629
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 22.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.933 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014481.D
Acq: 28 Jun 2023 15:22

Tgt Ion: 75 Resp: 6346
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#

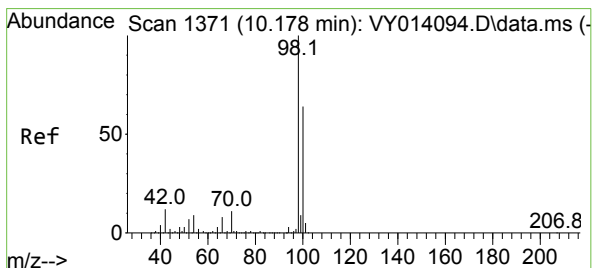
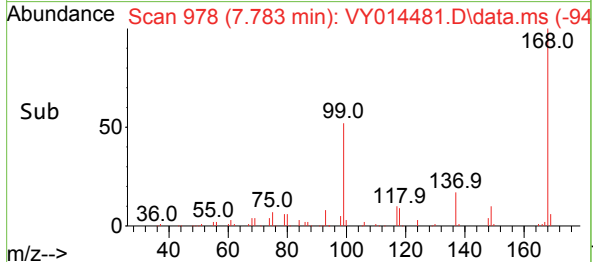
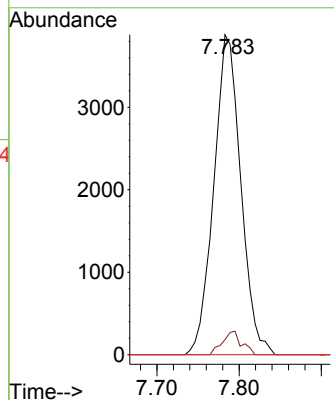
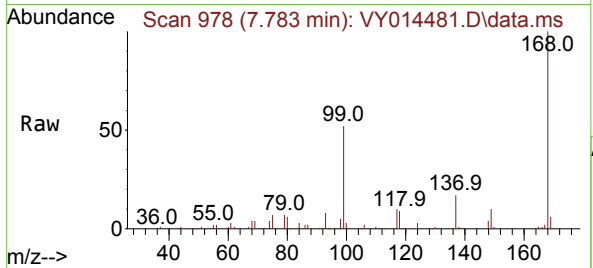




#38
Carbon Tetrachloride
Concen: 5.465 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014481.D
Acq: 28 Jun 2023 15:22

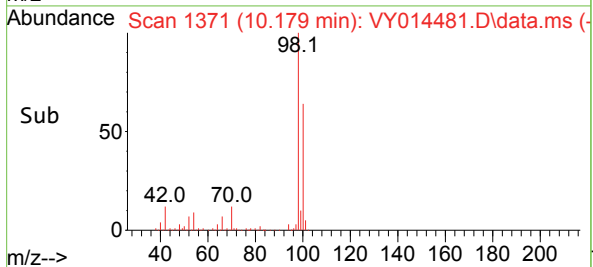
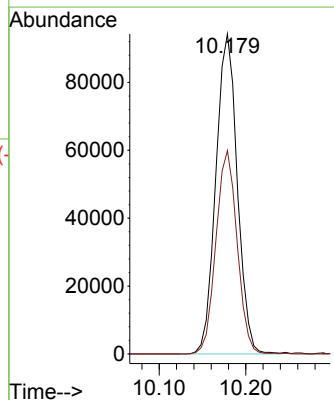
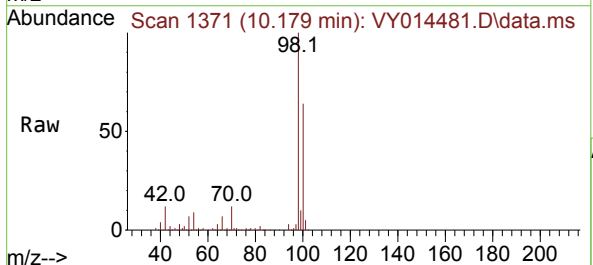
Instrument :
MSVOA_Y
ClientSampleId :
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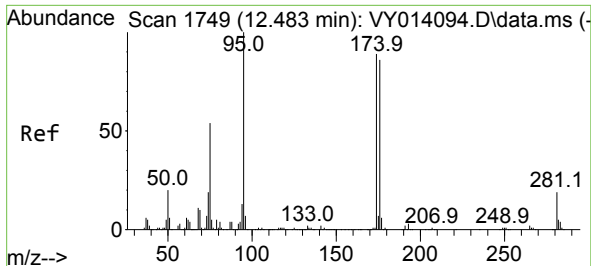
Tgt Ion:117 Resp: 8848
Ion Ratio Lower Upper
117 100
119 4.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.825 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014481.D
Acq: 28 Jun 2023 15:22

Tgt Ion: 98 Resp: 162034
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1

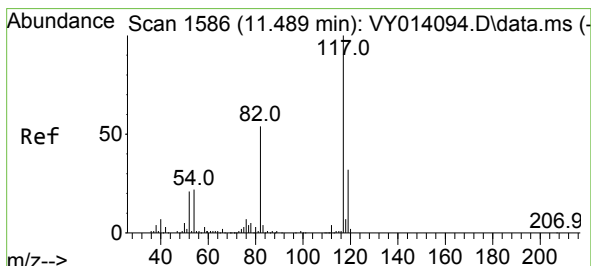
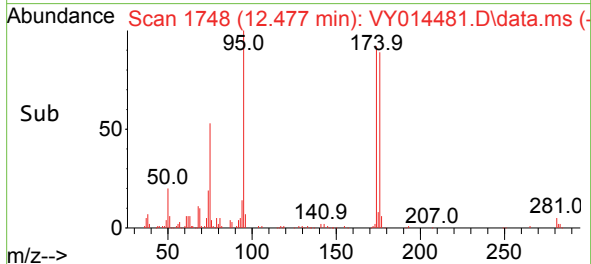
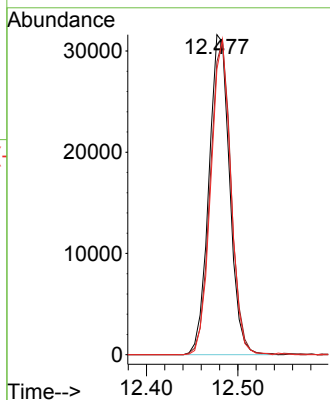
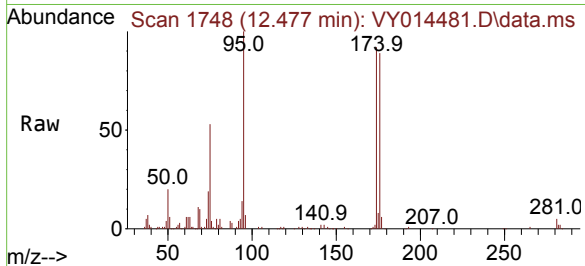




#62
4-Bromofluorobenzene
Concen: 42.078 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014481.D
Acq: 28 Jun 2023 15:22

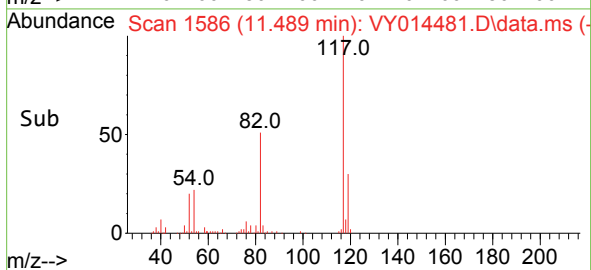
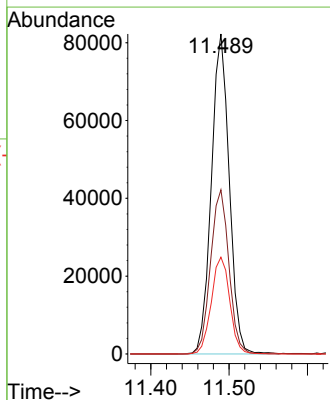
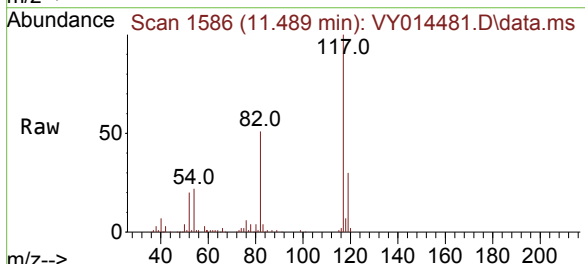
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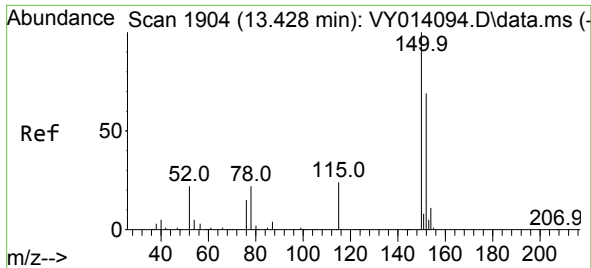
Tgt Ion: 95 Resp: 49853
Ion Ratio Lower Upper
95 100
174 98.2 0.0 178.2
176 94.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014481.D
Acq: 28 Jun 2023 15:22

Tgt Ion: 117 Resp: 130237
Ion Ratio Lower Upper
117 100
82 51.3 43.4 65.0
119 30.2 26.3 39.5

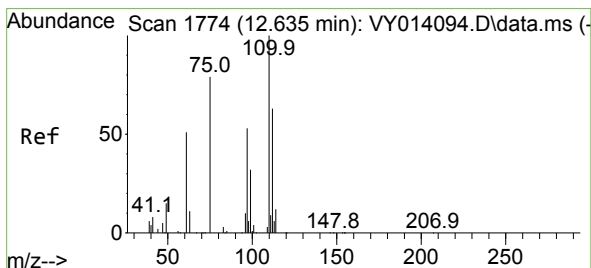
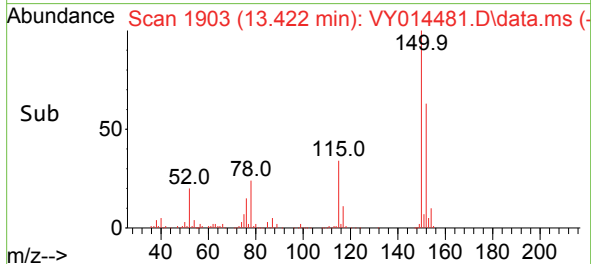
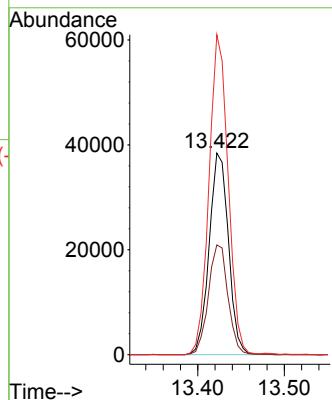
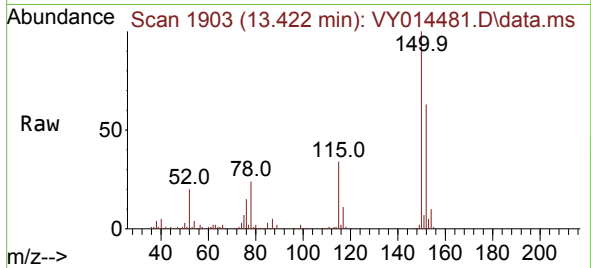




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY014481.D
 Acq: 28 Jun 2023 15:22

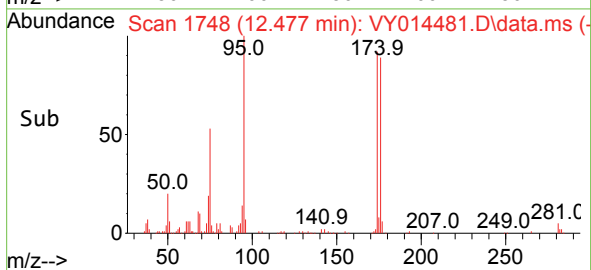
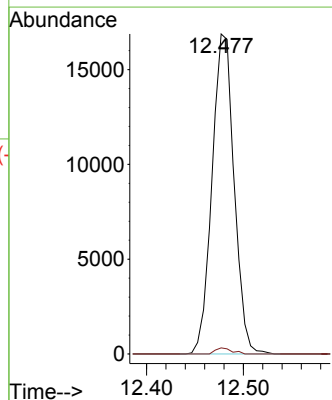
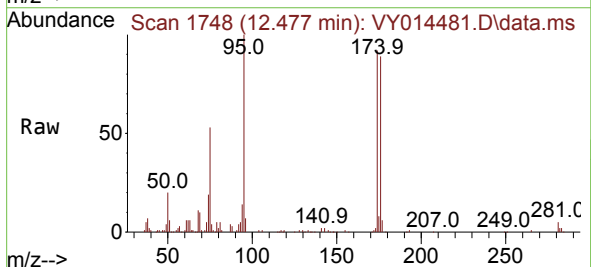
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUCT-2

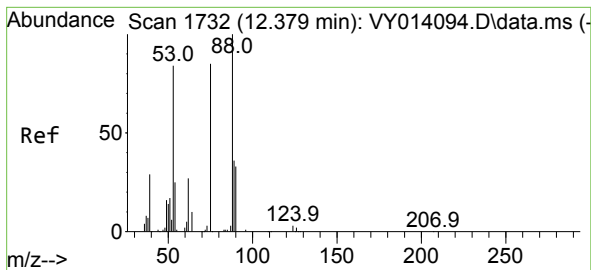
Tgt Ion:152 Resp: 59476
 Ion Ratio Lower Upper
 152 100
 115 55.3 28.8 86.5
 150 157.3 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 35.909 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY014481.D
 Acq: 28 Jun 2023 15:22

Tgt Ion: 75 Resp: 26791
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.753 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014481.D
 Acq: 28 Jun 2023 15:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUCT-2

Tgt Ion: 75 Resp: 26791
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.8 116.8#
 89 0.0 37.4 56.0#

