

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062723\
 Data File : VY014455.D
 Acq On : 27 Jun 2023 14:02
 Operator : KP/MD
 Sample : 03402-07
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP4-0623RE

Quant Time: Jun 27 16:43:09 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)

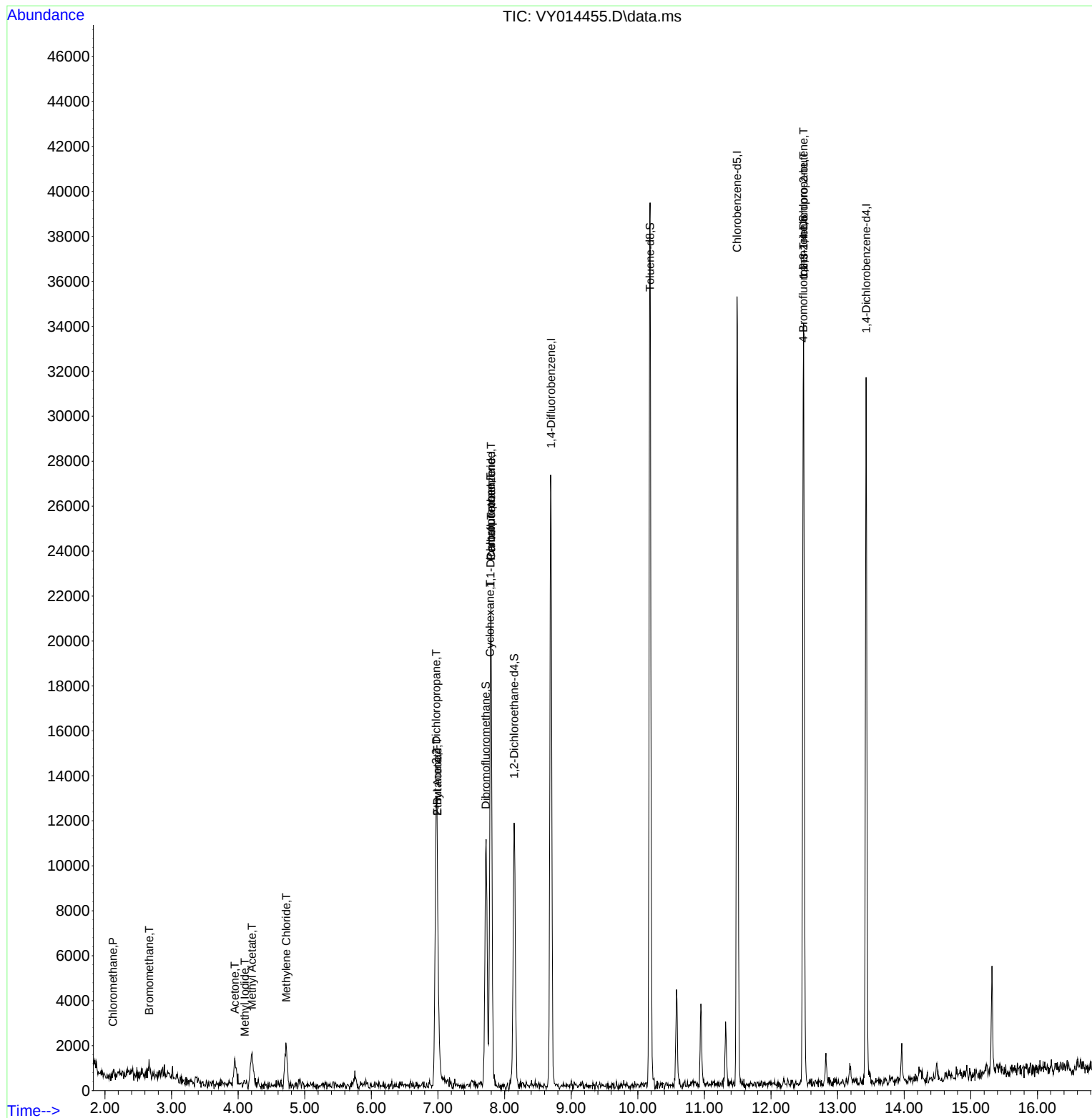
Internal Standards						
1) Pentafluorobenzene	7.795	168	17520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	23543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	20460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	10645	48.937	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.880%
35) Dibromofluoromethane	7.715	113	7318	50.312	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.620%
50) Toluene-d8	10.185	98	27780	48.046	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.100%
62) 4-Bromofluorobenzene	12.483	95	7419	35.941	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.880%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	231	1.451	ug/l #	43
5) Bromomethane	2.661	94	290	1.903	ug/l #	75
10) Methyl Iodide	4.100	142	358	4.452	ug/l #	69
11) Tert butyl alcohol	4.960	59	141	Below Cal	#	89
16) Acetone	3.948	43	2057	30.052	ug/l	90
18) Methyl Acetate	4.204	43	476	2.023	ug/l #	54
20) Methylene Chloride	4.722	84	1342	1.386	ug/l #	66
25) 2-Butanone	6.990	43	462	5.419	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	1122	3.488	ug/l #	54
31) Cyclohexane	7.783	56	338	1.258	ug/l #	61
36) 1,1-Dichloropropene	7.789	75	1298	5.791	ug/l #	41
37) Ethyl Acetate	6.990	43	462	2.991	ug/l #	1
38) Carbon Tetrachloride	7.795	117	1460	5.176	ug/l #	12
76) 1,2,3-Trichloropropane	12.489	75	4288	38.743	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	4288	88.206	ug/l #	10

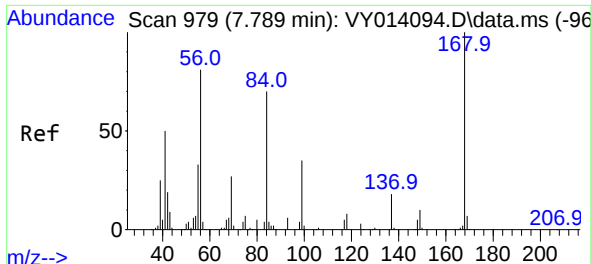
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

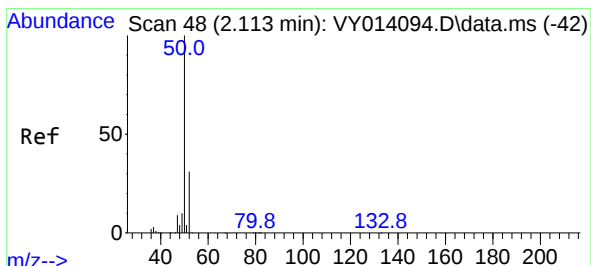
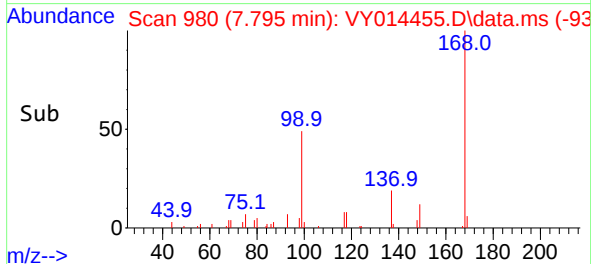
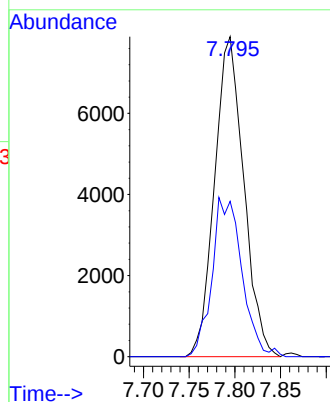
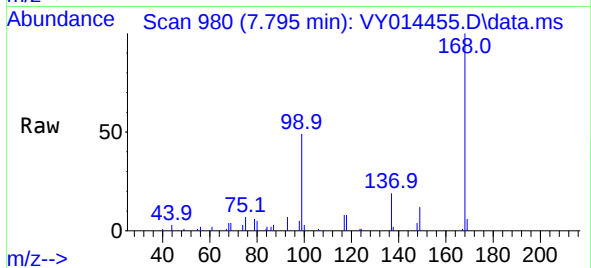




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

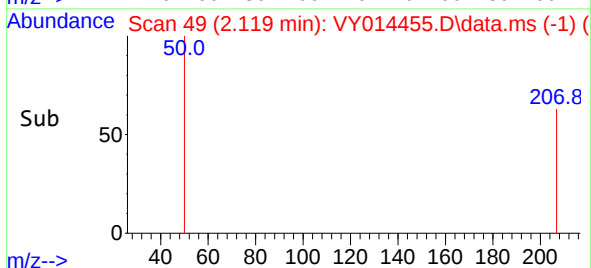
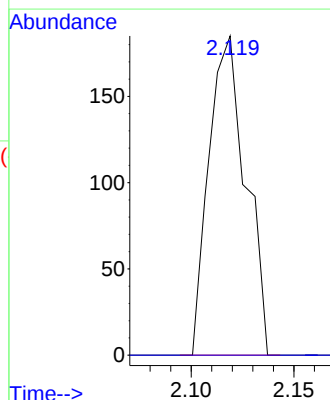
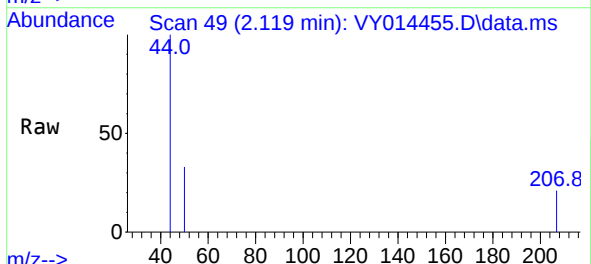
Instrument :
MSVOA_Y
ClientSampleId :
TP4-0623RE

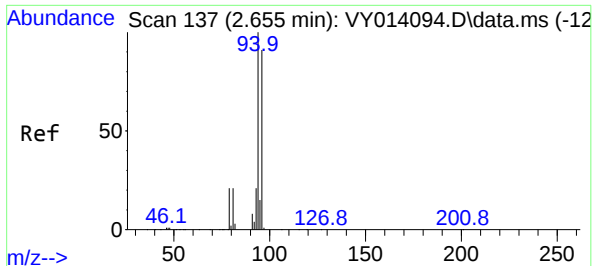
Tgt Ion:168 Resp: 17520
Ion Ratio Lower Upper
168 100
99 48.6 43.4 65.0



#3
Chloromethane
Concen: 1.451 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

Tgt Ion: 50 Resp: 231
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

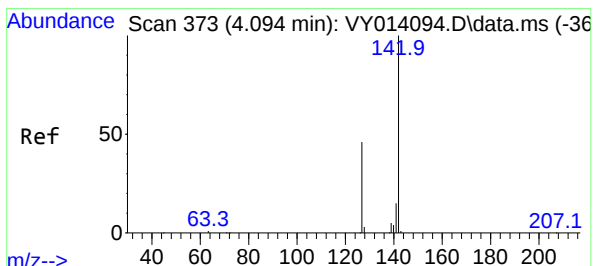
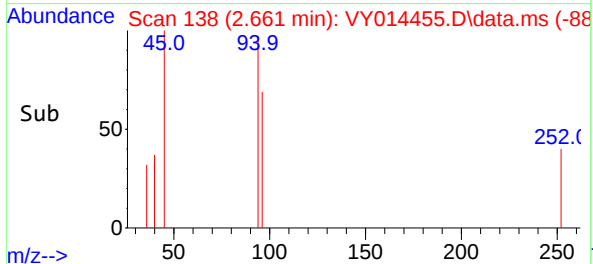
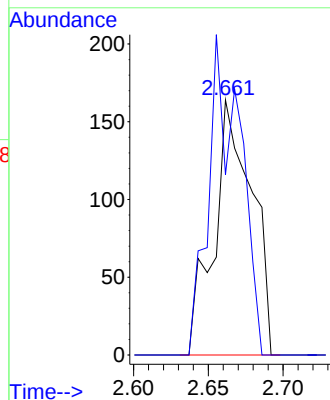
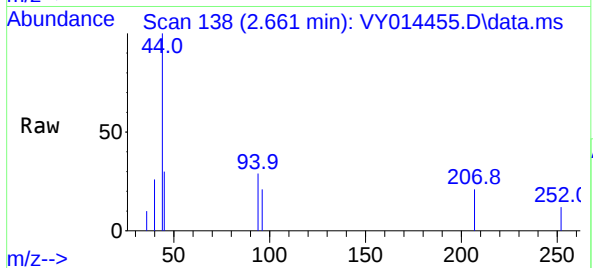




#5
Bromomethane
Concen: 1.903 ug/l
RT: 2.661 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

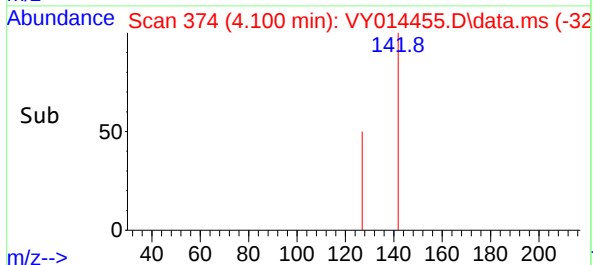
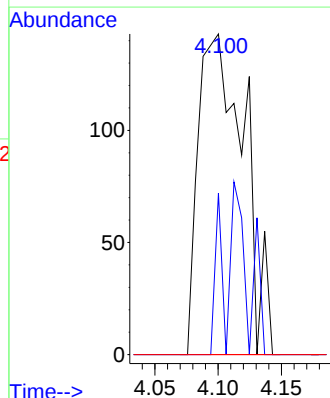
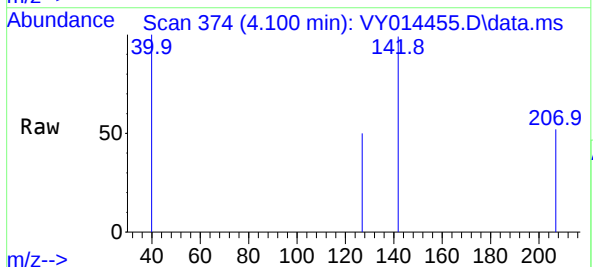
Instrument :
MSVOA_Y
ClientSampleId :
TP4-0623RE

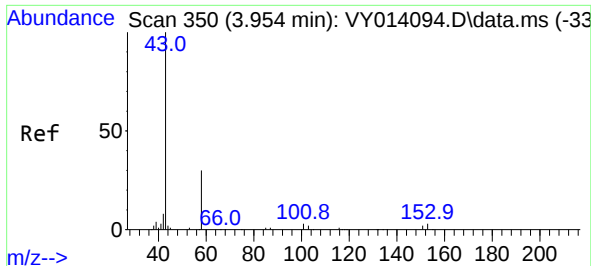
Tgt Ion: 94 Resp: 290
Ion Ratio Lower Upper
94 100
96 70.7 75.8 113.6#



#10
Methyl Iodide
Concen: 4.452 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

Tgt Ion:142 Resp: 358
Ion Ratio Lower Upper
142 100
127 27.7 37.6 56.4#
141 0.0 11.8 17.8#

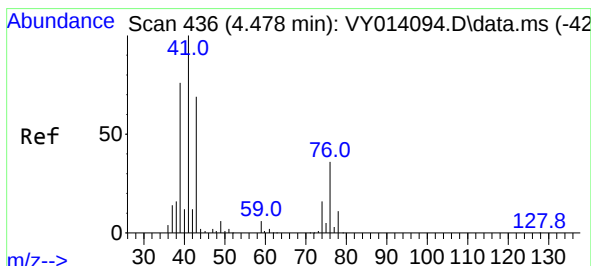
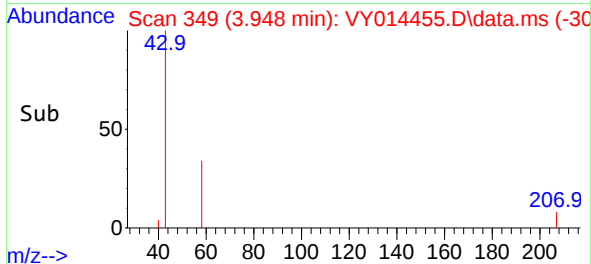
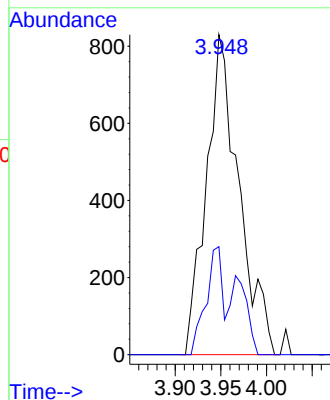
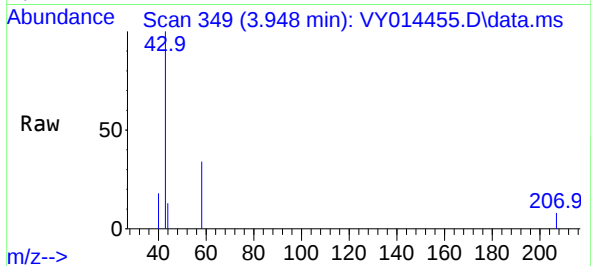




#16
Acetone
Concen: 30.052 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

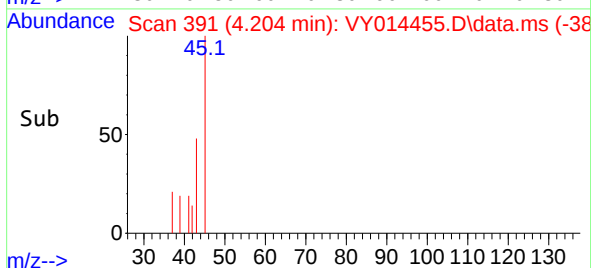
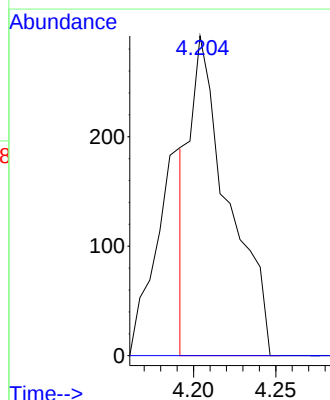
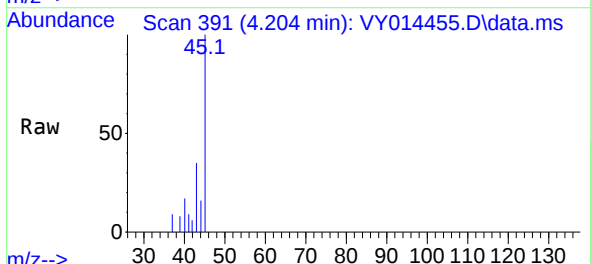
Instrument :
MSVOA_Y
ClientSampleId :
TP4-0623RE

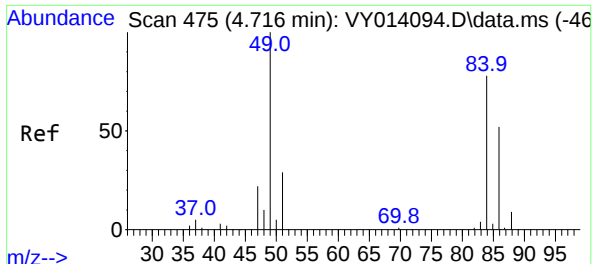
Tgt Ion: 43 Resp: 2057
Ion Ratio Lower Upper
43 100
58 33.7 22.7 34.1



#18
Methyl Acetate
Concen: 2.023 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.274 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

Tgt Ion: 43 Resp: 476
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



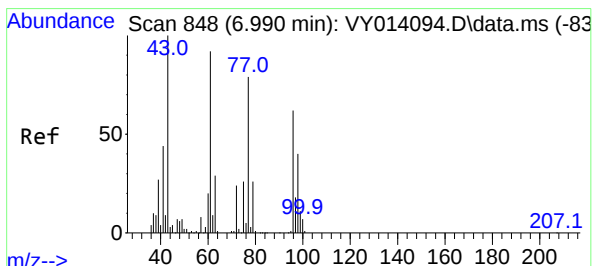
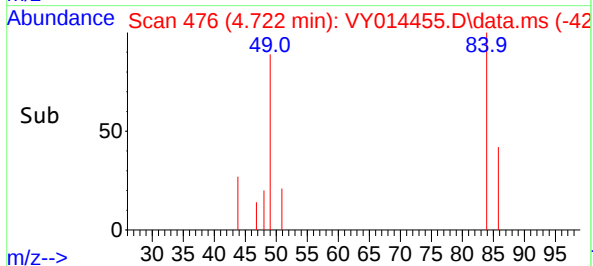
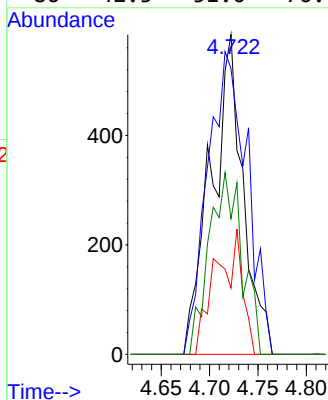
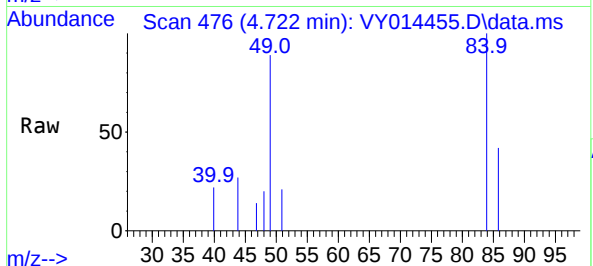


#20
Methylene Chloride
Concen: 1.386 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

Instrument :
MSVOA_Y
ClientSampleId :
TP4-0623RE

Tgt Ion: 84 Resp: 1342

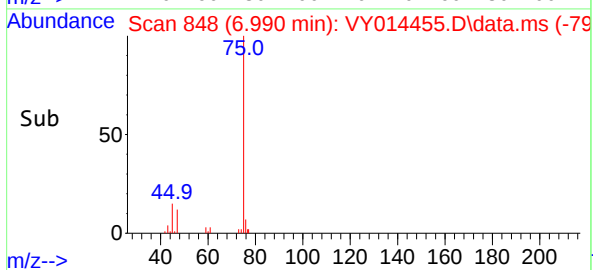
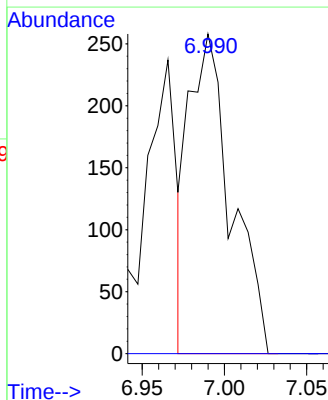
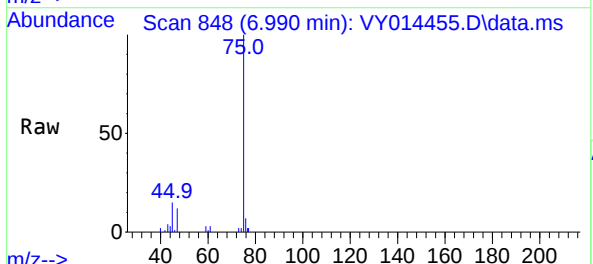
Ion	Ratio	Lower	Upper
84	100		
49	89.4	106.9	160.3#
51	20.7	33.2	49.8#
86	42.5	51.0	76.6#

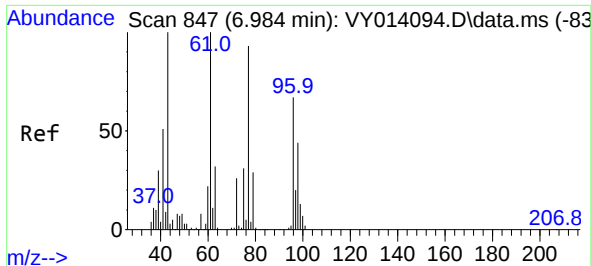


#25
2-Butanone
Concen: 5.419 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

Tgt Ion: 43 Resp: 462

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#

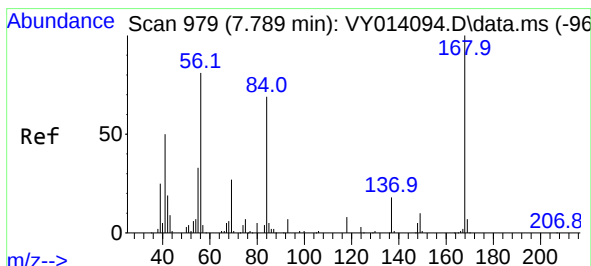
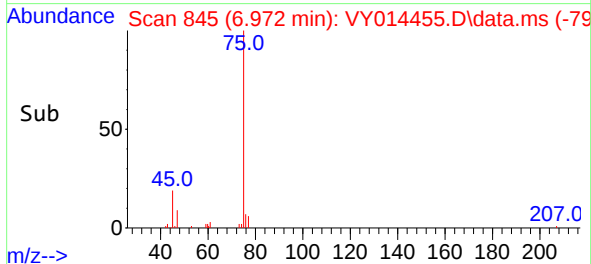
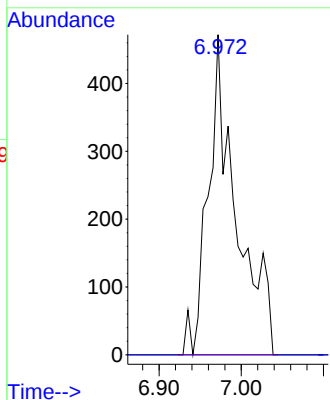
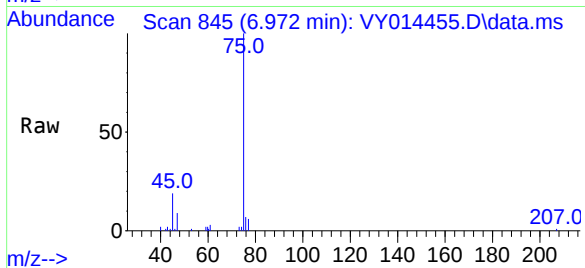




#26
2,2-Dichloropropane
Concen: 3.488 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

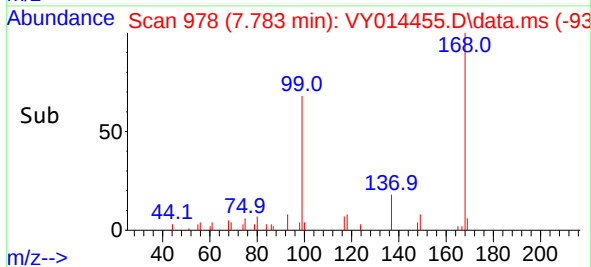
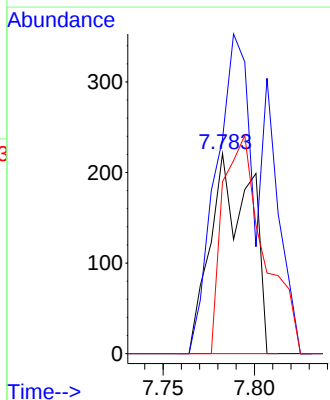
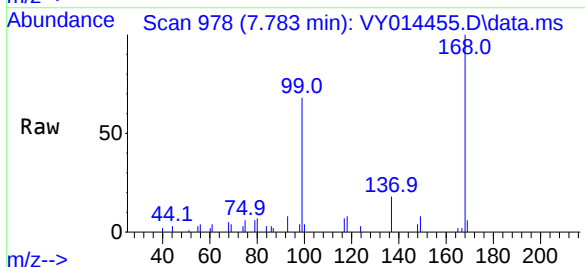
Instrument :
MSVOA_Y
ClientSampleId :
TP4-0623RE

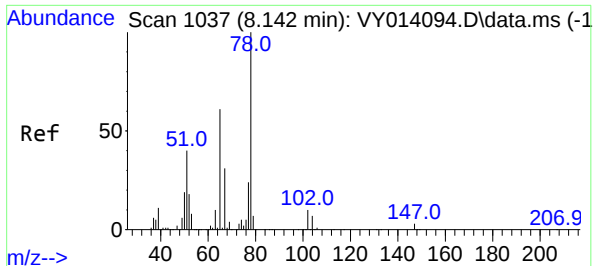
Tgt Ion: 77 Resp: 1122
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.258 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

Tgt Ion: 56 Resp: 338
Ion Ratio Lower Upper
56 100
69 107.2 27.8 41.6#
84 86.0 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 48.937 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY014455.D

Acq: 27 Jun 2023 14:02

Instrument :

MSVOA_Y

ClientSampleId :

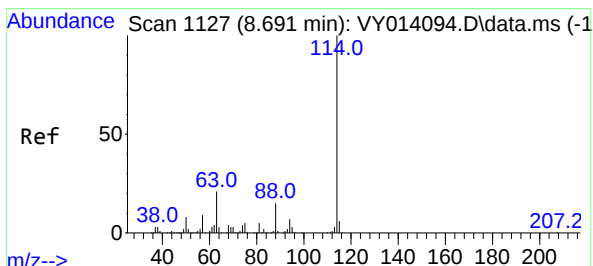
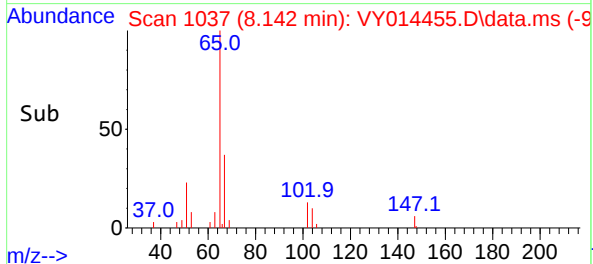
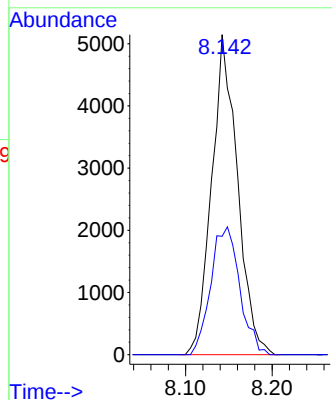
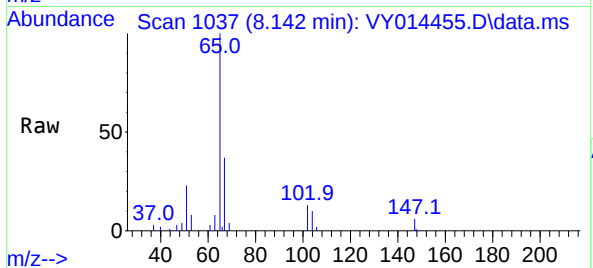
TP4-0623RE

Tgt Ion: 65 Resp: 10645

Ion Ratio Lower Upper

65 100

67 44.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014455.D

Acq: 27 Jun 2023 14:02

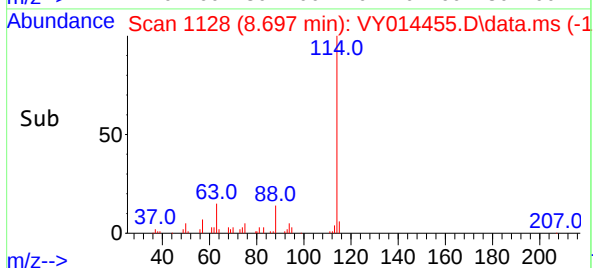
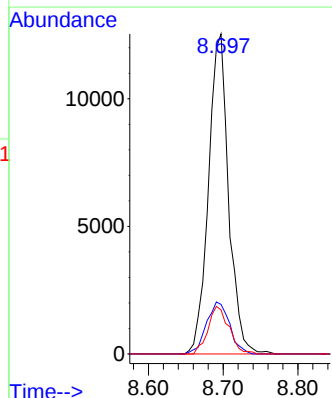
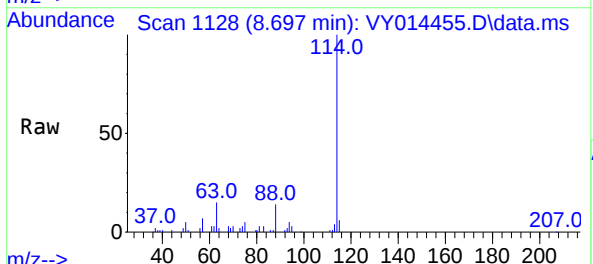
Tgt Ion: 114 Resp: 23543

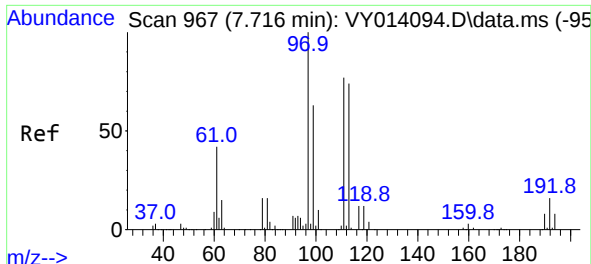
Ion Ratio Lower Upper

114 100

63 15.5 0.0 42.4

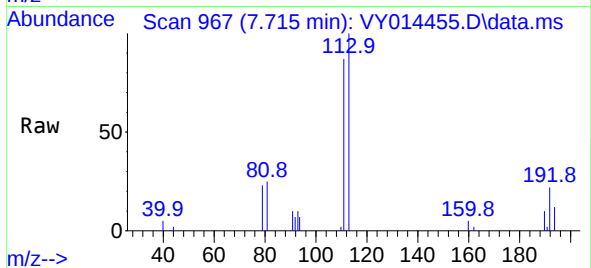
88 13.8 0.0 30.6





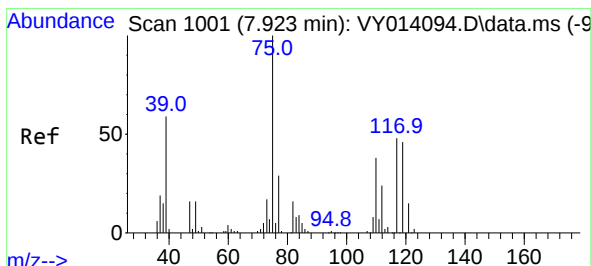
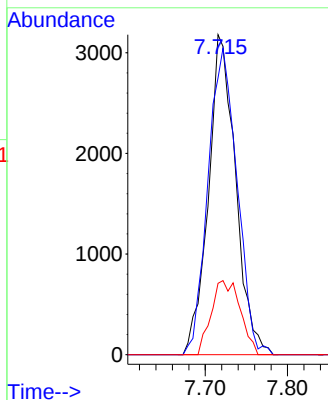
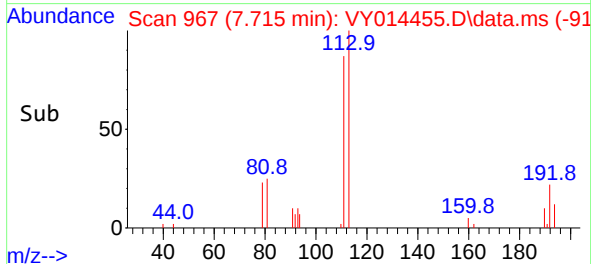
#35
Dibromofluoromethane
Concen: 50.312 ug/l
RT: 7.715 min Scan# 901
Delta R.T. -0.001 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

Instrument :
MSVOA_Y
ClientSampleId :
TP4-0623RE

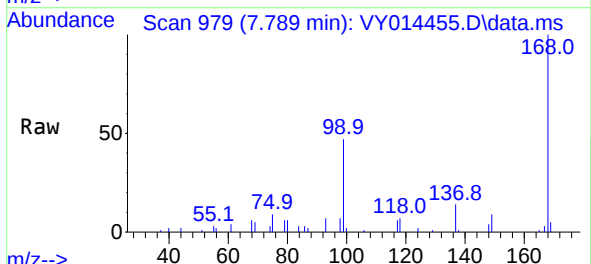


Tgt Ion:113 Resp: 7318

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.3	121.9
192	24.7	16.9	25.3

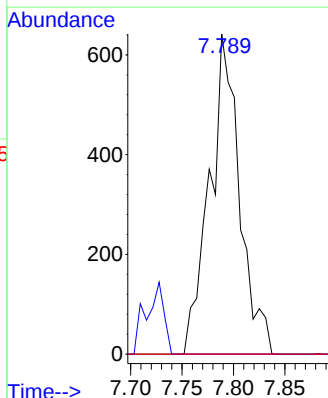
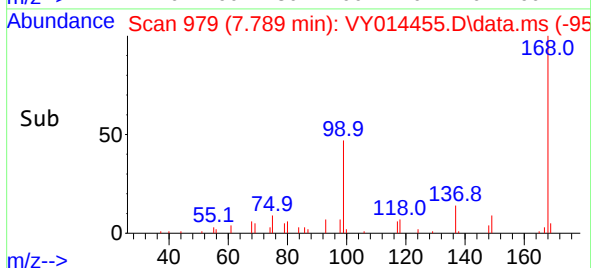


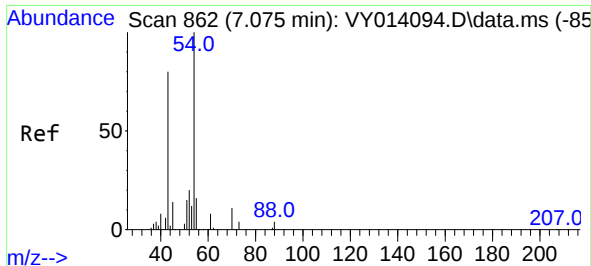
#36
1,1-Dichloropropene
Concen: 5.791 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02



Tgt Ion: 75 Resp: 1298

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.5#
77	0.0	24.4	36.6#

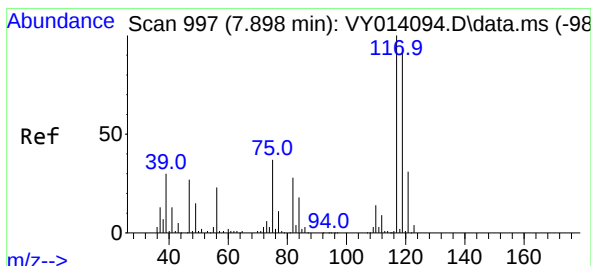
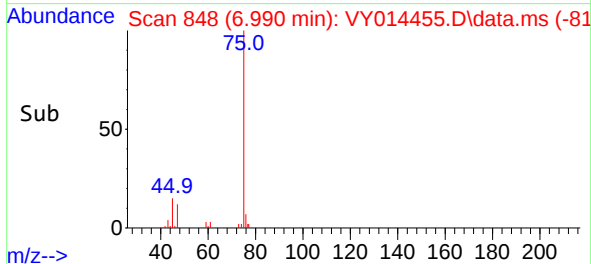
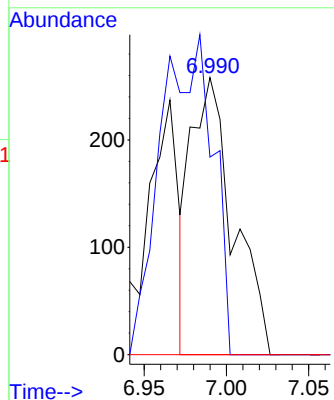
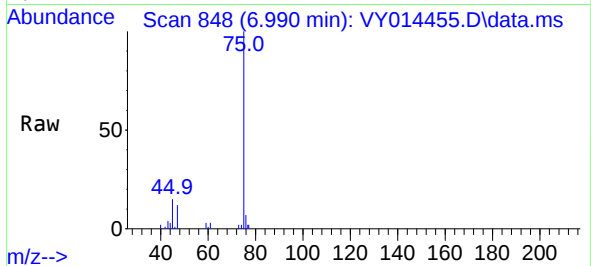




#37
Ethyl Acetate
Concen: 2.991 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.085 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

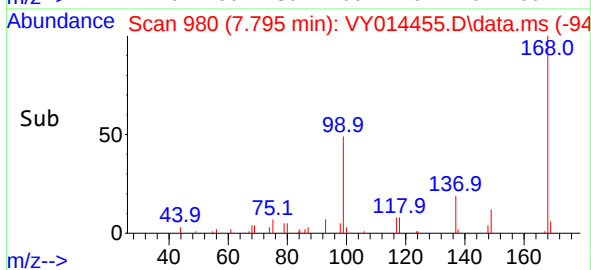
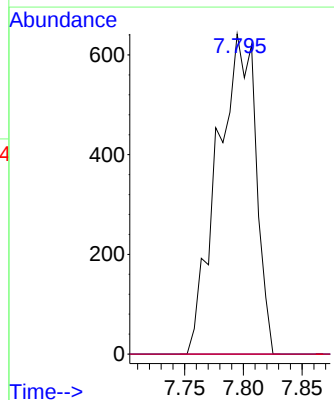
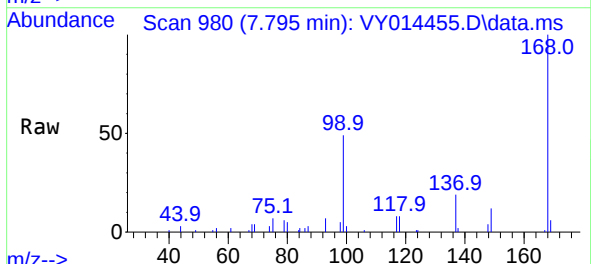
Instrument :
MSVOA_Y
ClientSampleId :
TP4-0623RE

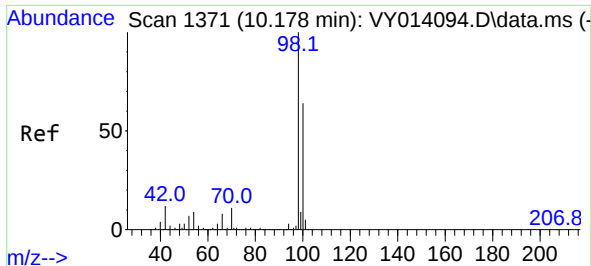
Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
61 142.2 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.176 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.103 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

Tgt Ion: 117 Resp: 1460
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

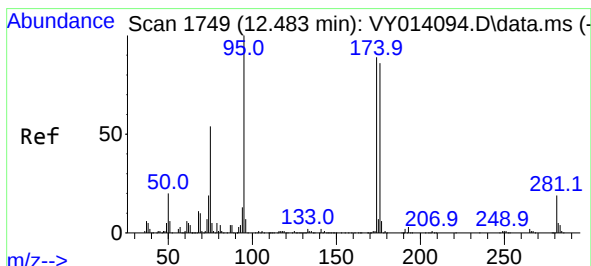
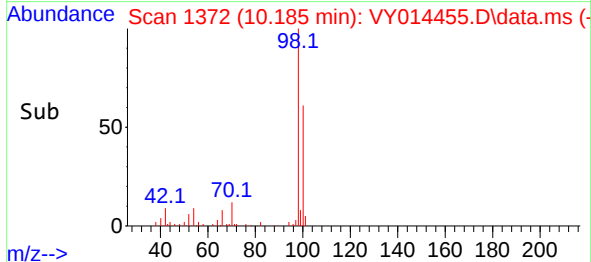
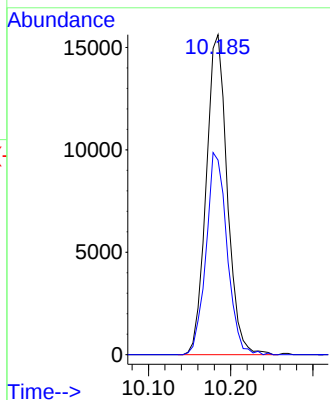
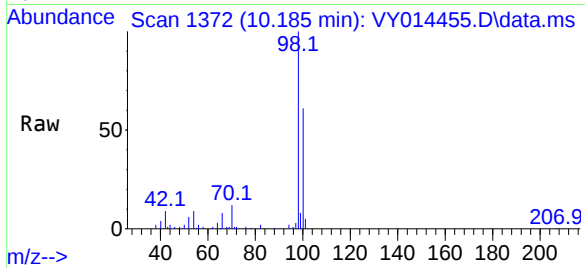




#50
Toluene-d8
Concen: 48.046 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

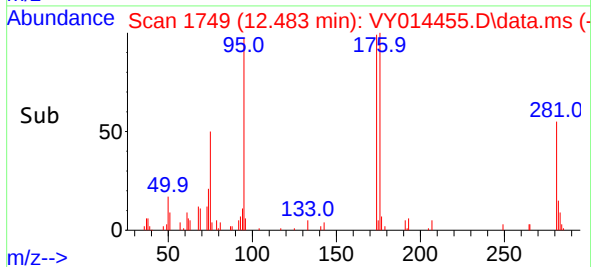
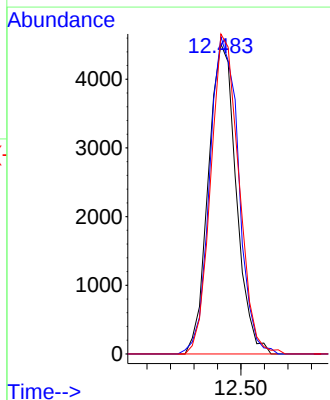
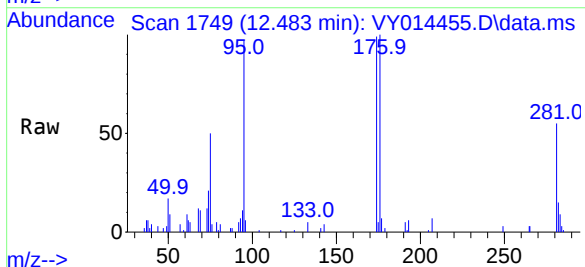
Instrument :
MSVOA_Y
ClientSampleId :
TP4-0623RE

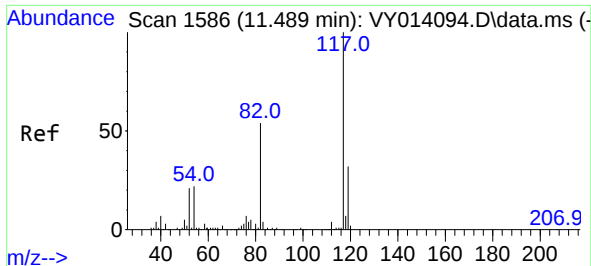
Tgt Ion: 98 Resp: 27780
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 35.941 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

Tgt Ion: 95 Resp: 7419
Ion Ratio Lower Upper
95 100
174 106.0 0.0 178.2
176 103.9 0.0 173.8

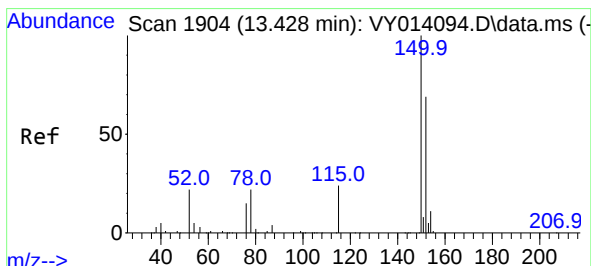
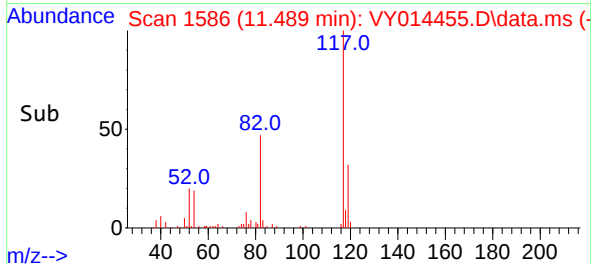
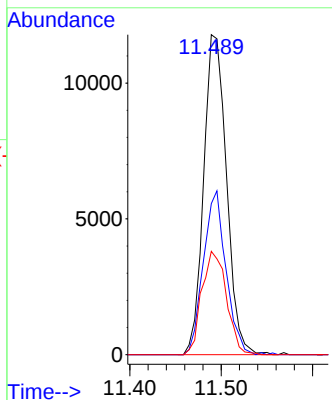
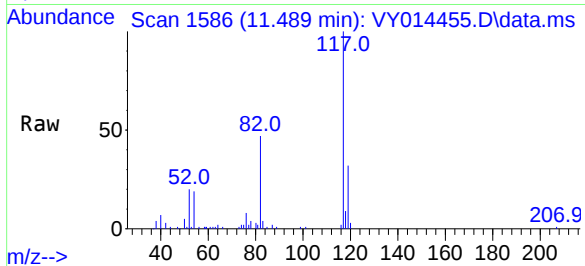




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

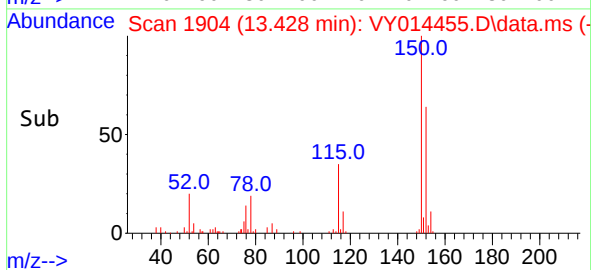
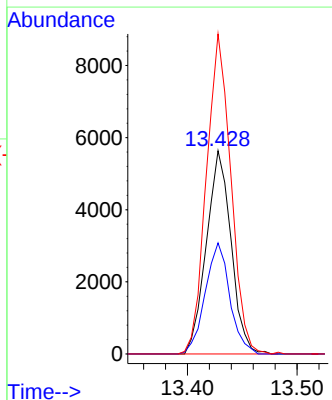
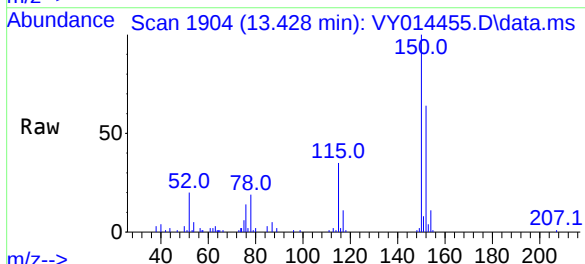
Instrument :
MSVOA_Y
ClientSampleId :
TP4-0623RE

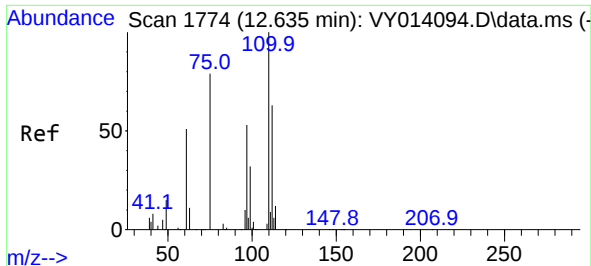
Tgt Ion:	117	Resp:	20460
Ion	Ratio	Lower	Upper
117	100		
82	47.2	43.4	65.0
119	32.3	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

Tgt Ion:	152	Resp:	8823
Ion	Ratio	Lower	Upper
152	100		
115	54.4	28.8	86.5
150	156.2	0.0	348.8

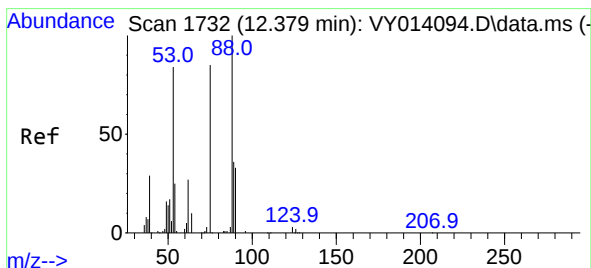
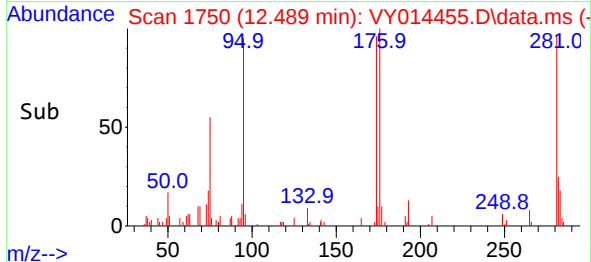
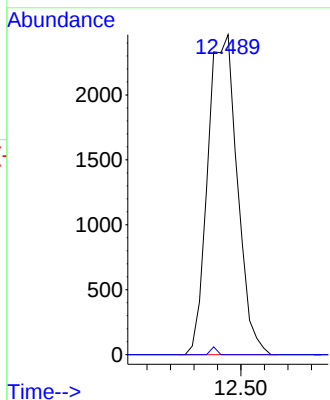
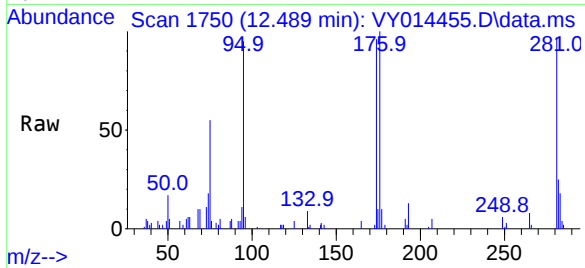




#76
1,2,3-Trichloropropane
Concen: 38.743 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

Instrument :
MSVOA_Y
ClientSampleId :
TP4-0623RE

Tgt Ion: 75 Resp: 4288
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.206 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014455.D
Acq: 27 Jun 2023 14:02

Tgt Ion: 75 Resp: 4288
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

