

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015043.D
 Acq On : 10 Aug 2023 21:21
 Operator : SY/MD
 Sample : 03955-19
 Misc : 4.72g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 11 01:58:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

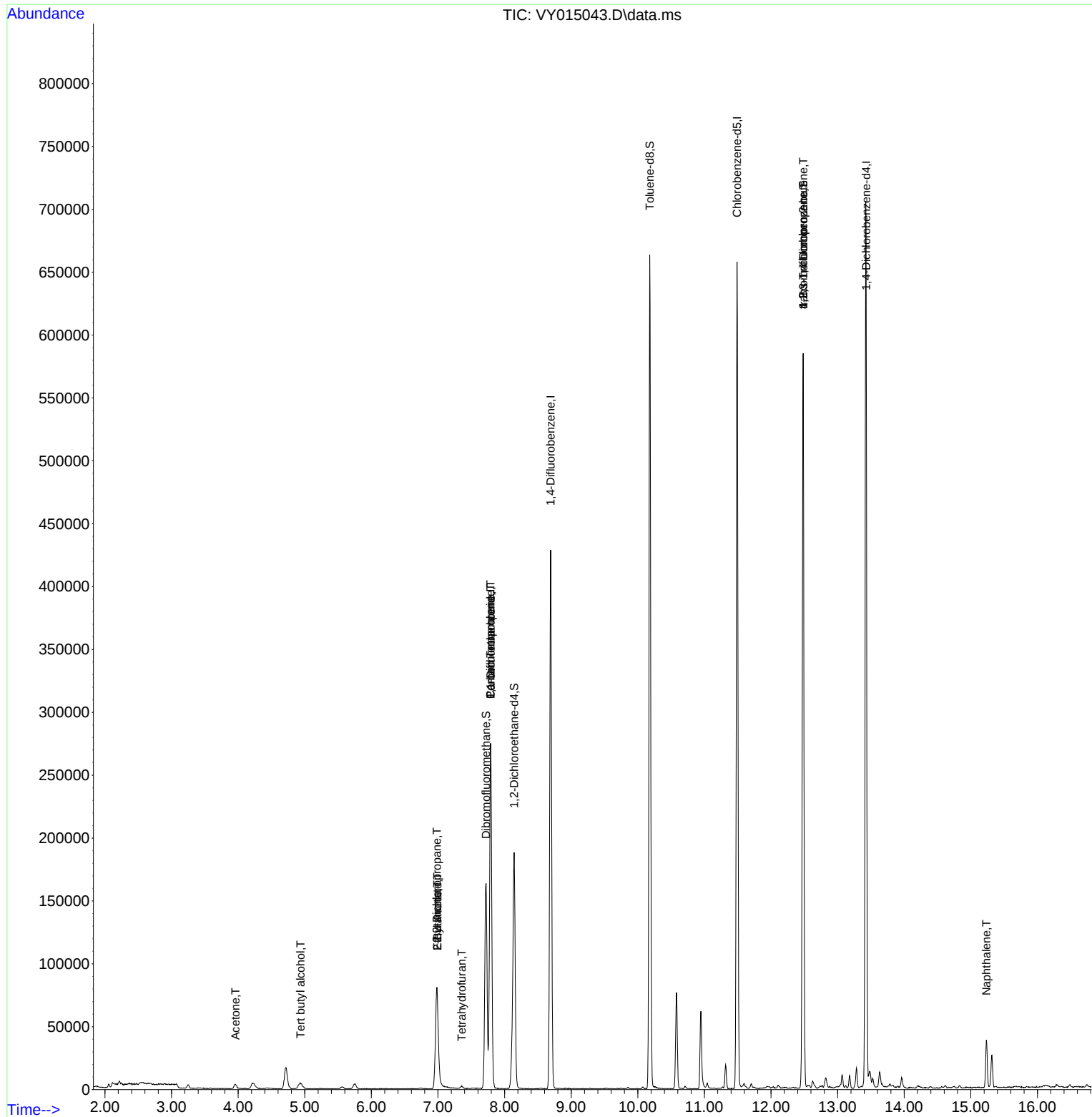
Internal Standards						
1) Pentafluorobenzene	7.789	168	217268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	371148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	362685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	185909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	137747	52.309	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.620%			
35) Dibromofluoromethane	7.722	113	116882	49.246	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.500%			
50) Toluene-d8	10.179	98	436989	48.373	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.740%			
62) 4-Bromofluorobenzene	12.483	95	171529	53.574	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	83	Below Cal	#	43
5) Bromomethane	2.662	94	484	Below Cal	#	78
11) Tert butyl alcohol	4.936	59	5716	8.994	ug/l #	93
16) Acetone	3.960	43	6731	8.197	ug/l	90
20) Methylene Chloride	4.716	84	12829	Below Cal	#	85
25) 2-Butanone	6.990	43	7380	6.275	ug/l #	86
26) 2,2-Dichloropropane	6.984	77	6191	1.619	ug/l #	54
29) Tetrahydrofuran	7.356	42	1096	1.589	ug/l	91
31) Cyclohexane	7.795	56	4446	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	16865	5.723	ug/l #	50
37) Ethyl Acetate	6.990	43	7380	3.155	ug/l #	32
38) Carbon Tetrachloride	7.789	117	21189	6.396	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	91263	40.969	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	91263	90.255	ug/l #	11
95) Naphthalene	15.233	128	31248	3.790	ug/l	99

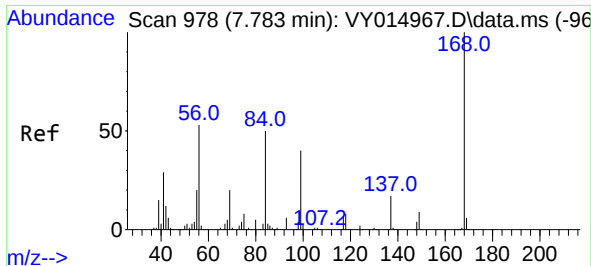
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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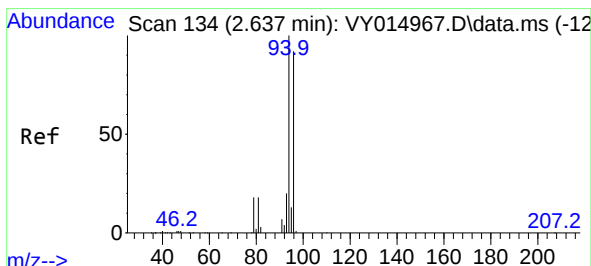
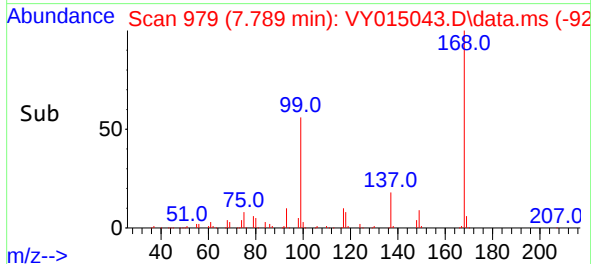
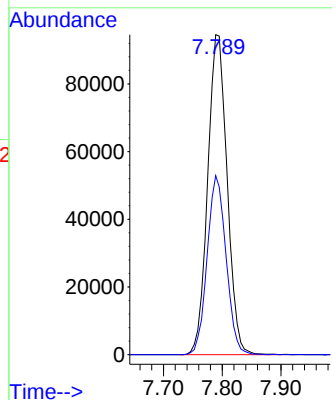
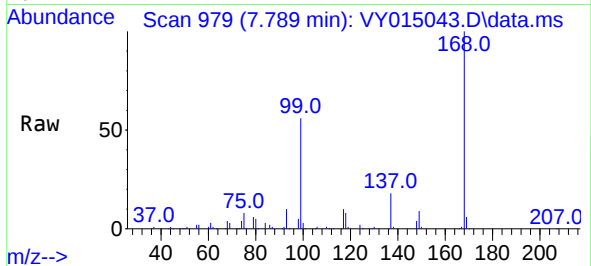




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

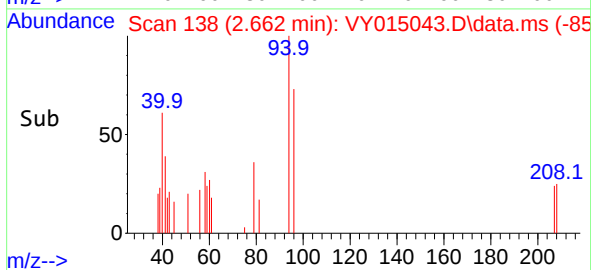
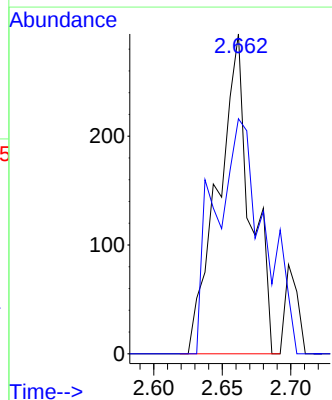
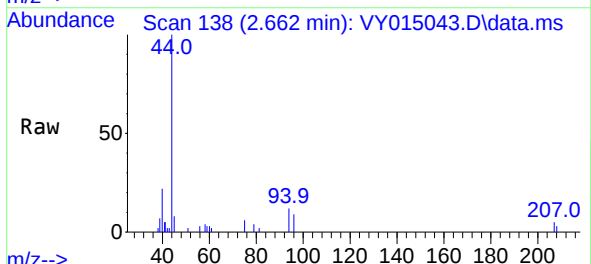
Instrument :
MSVOA_Y
ClientSampleId :

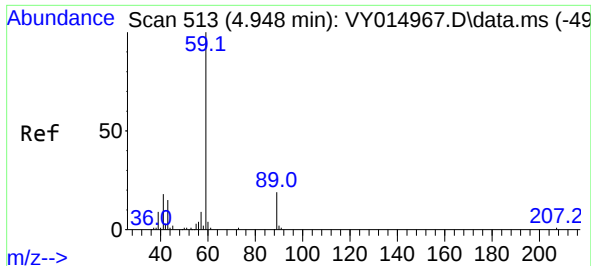
Tgt Ion:168 Resp: 217268
Ion Ratio Lower Upper
168 100
99 55.9 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

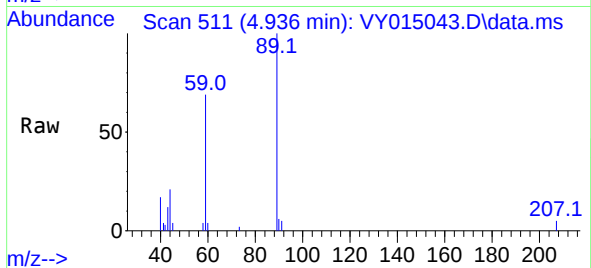
Tgt Ion: 94 Resp: 484
Ion Ratio Lower Upper
94 100
96 73.5 75.8 113.6#



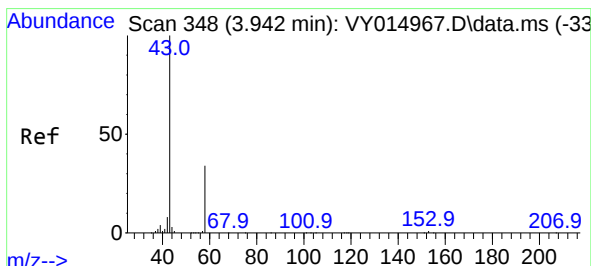
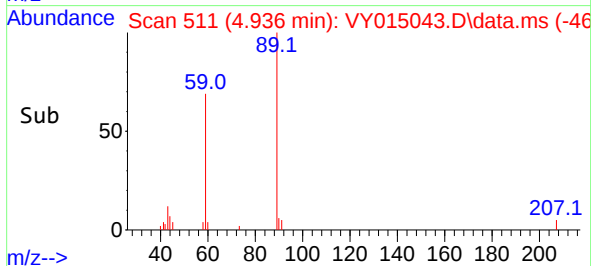
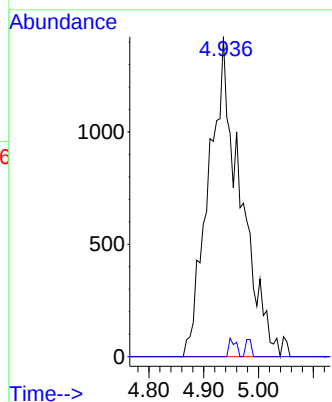


#11
Tert butyl alcohol
Concen: 8.994 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

Instrument :
MSVOA_Y
ClientSampleId :

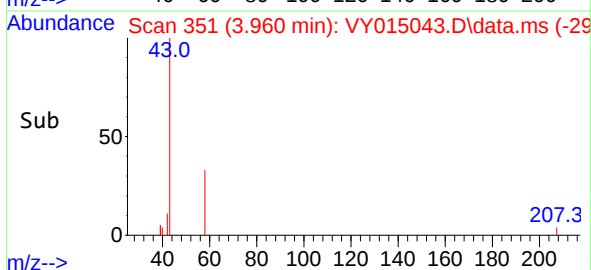
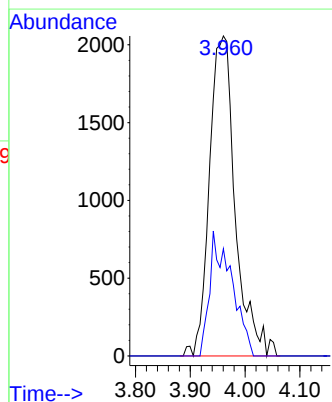
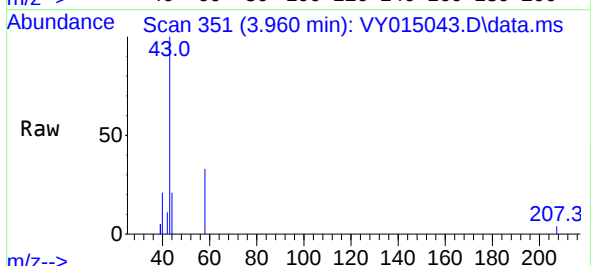


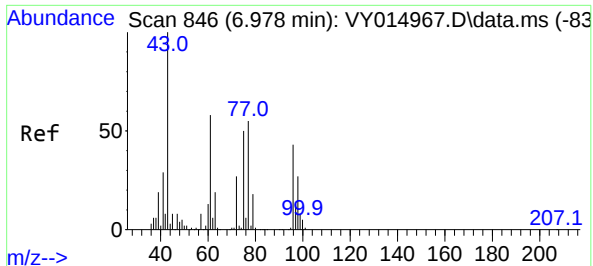
Tgt Ion: 59 Resp: 5716
Ion Ratio Lower Upper
59 100
57 1.3 3.0 4.4#



#16
Acetone
Concen: 8.197 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

Tgt Ion: 43 Resp: 6731
Ion Ratio Lower Upper
43 100
58 33.5 22.7 34.1





#25

2-Butanone

Concen: 6.275 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY015043.D

Acq: 10 Aug 2023 21:21

Instrument :

MSVOA_Y

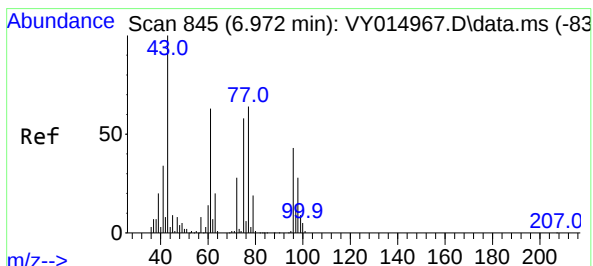
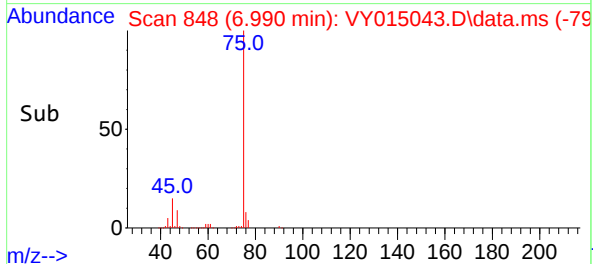
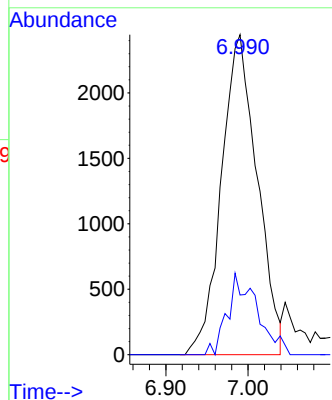
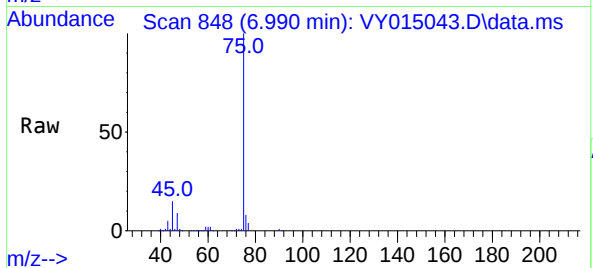
ClientSampleId :

Tgt Ion: 43 Resp: 7380

Ion Ratio Lower Upper

43 100

72 18.7 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.619 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY015043.D

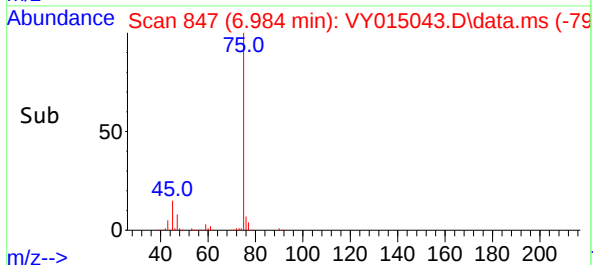
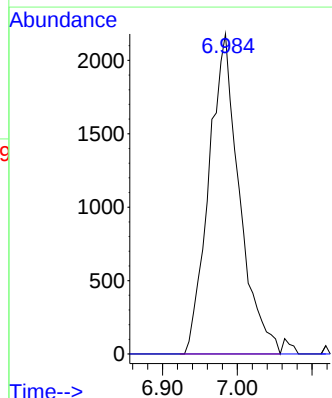
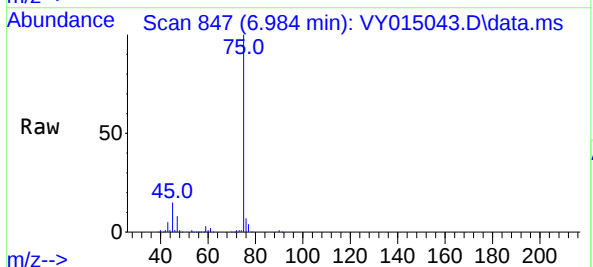
Acq: 10 Aug 2023 21:21

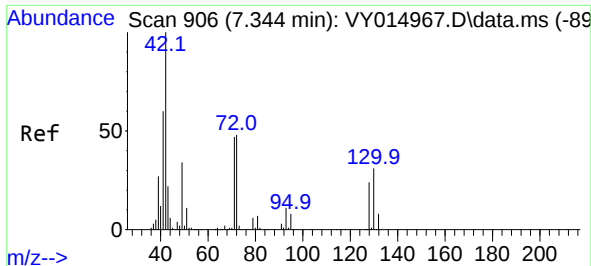
Tgt Ion: 77 Resp: 6191

Ion Ratio Lower Upper

77 100

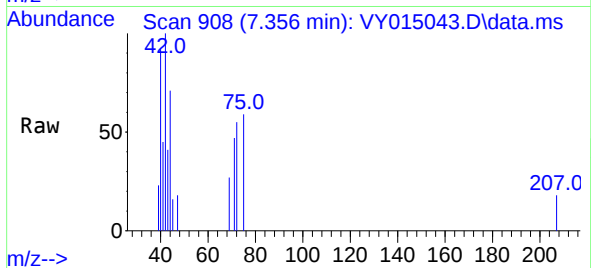
97 0.0 10.9 32.9#



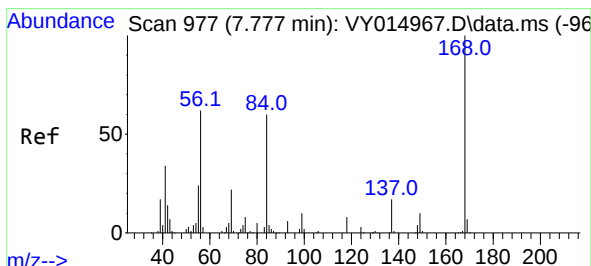
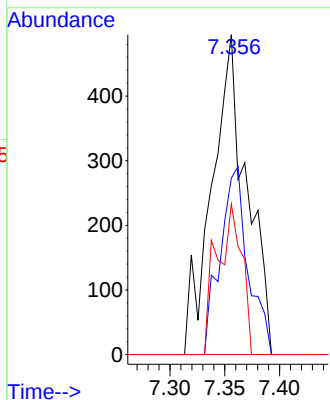
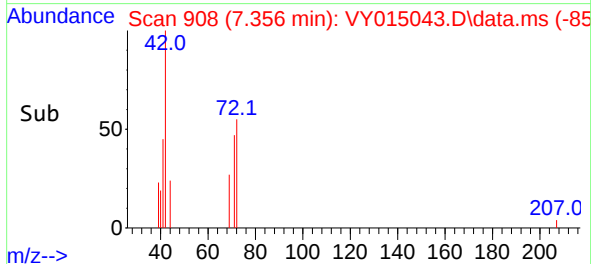


#29
Tetrahydrofuran
Concen: 1.589 ug/l
RT: 7.356 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

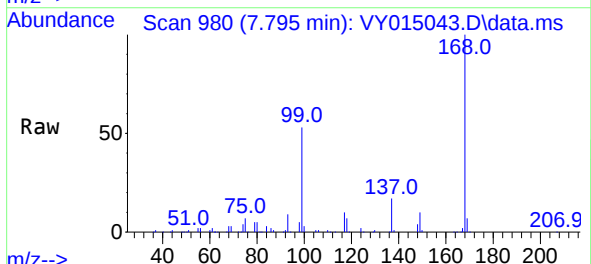
Instrument :
MSVOA_Y
ClientSampleId :



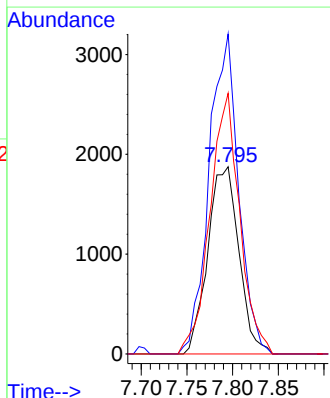
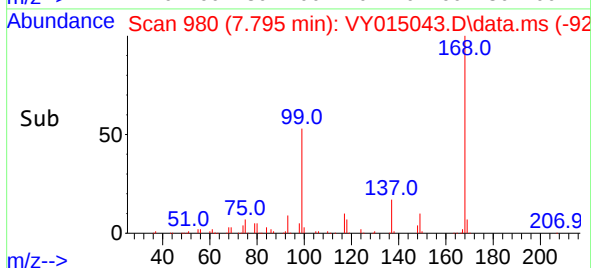
Tgt Ion:	42	Resp:	1096
Ion	Ratio	Lower	Upper
42	100		
72	46.9	32.8	49.2
71	33.7	31.0	46.4

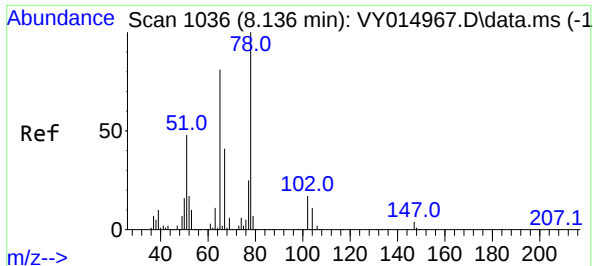


#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 980
Delta R.T. 0.018 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21



Tgt Ion:	56	Resp:	4446
Ion	Ratio	Lower	Upper
56	100		
69	171.0	27.8	41.6#
84	139.3	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.309 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY015043.D

Acq: 10 Aug 2023 21:21

Instrument :

MSVOA_Y

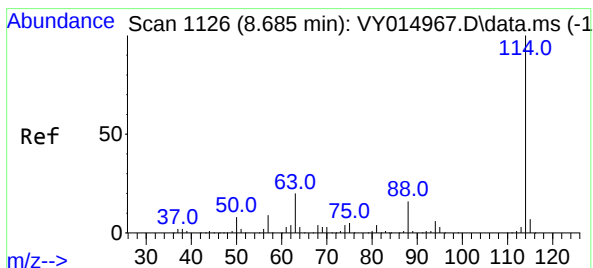
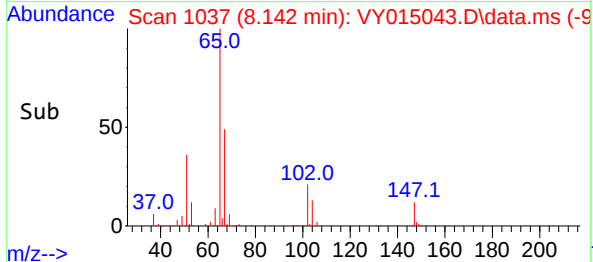
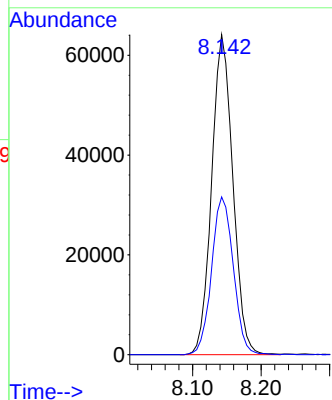
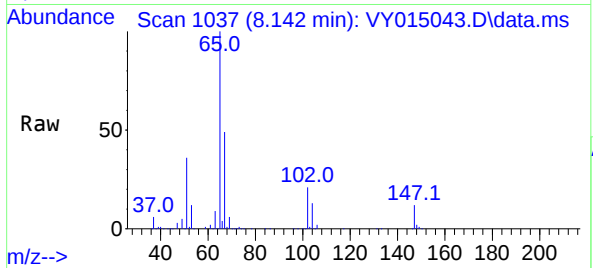
ClientSampleId :

Tgt Ion: 65 Resp: 137747

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015043.D

Acq: 10 Aug 2023 21:21

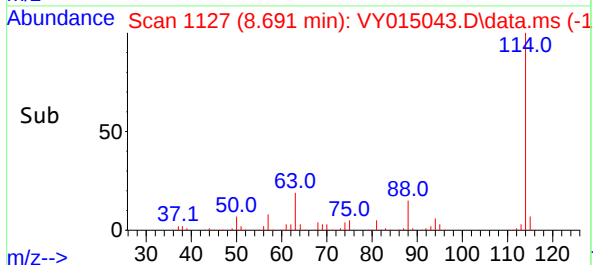
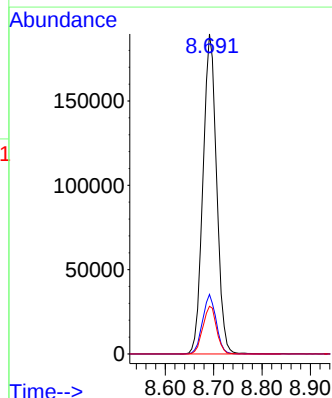
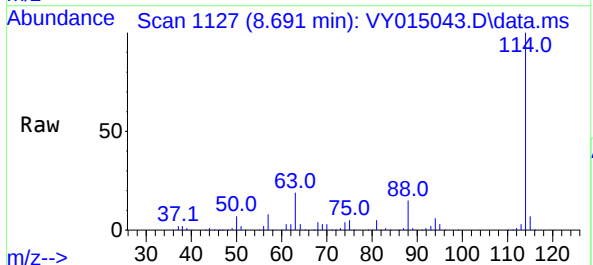
Tgt Ion: 114 Resp: 371148

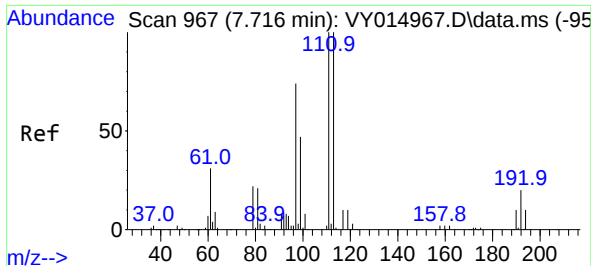
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

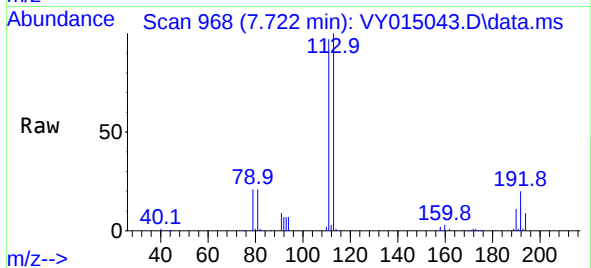
88 14.9 0.0 30.6



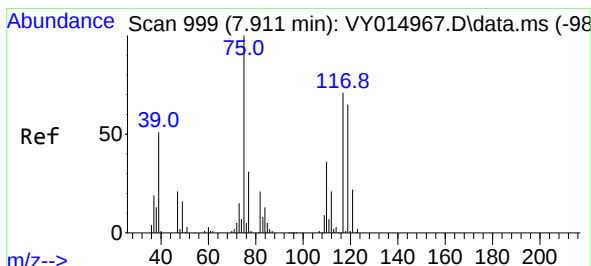
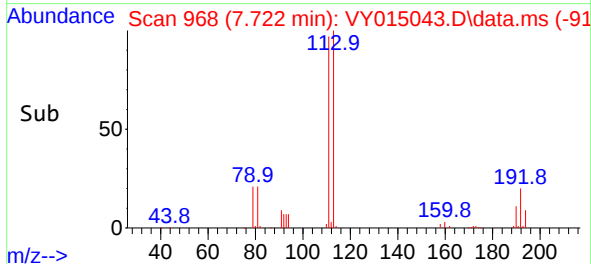
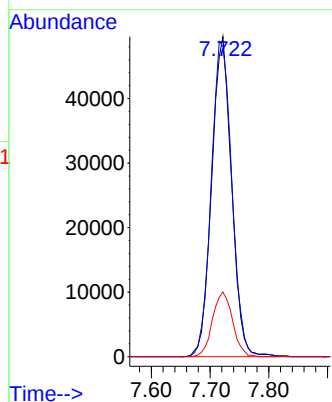


#35
Dibromofluoromethane
Concen: 49.246 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

Instrument :
MSVOA_Y
ClientSampleId :

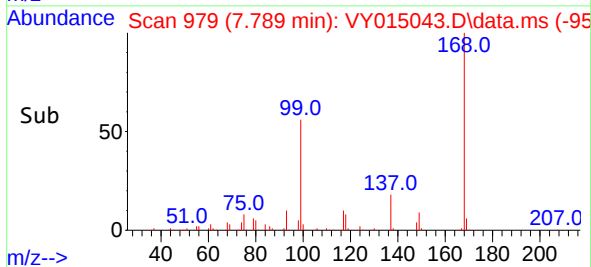
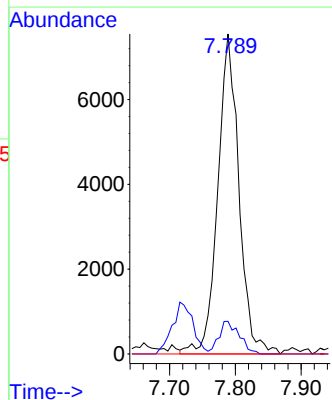
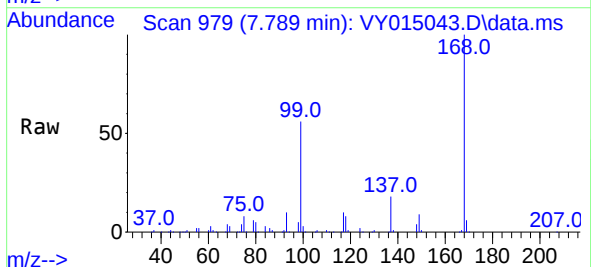


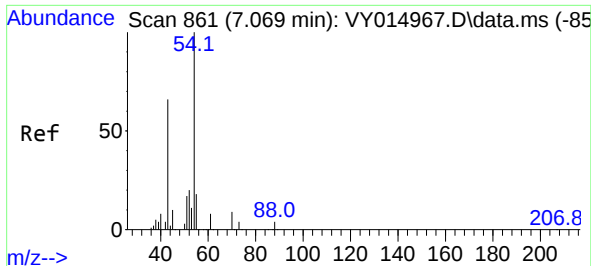
Tgt Ion:113 Resp: 116882
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 20.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.723 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

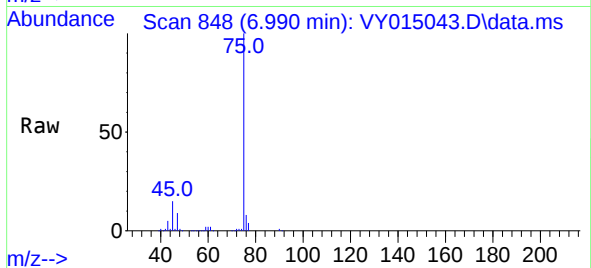
Tgt Ion: 75 Resp: 16865
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#



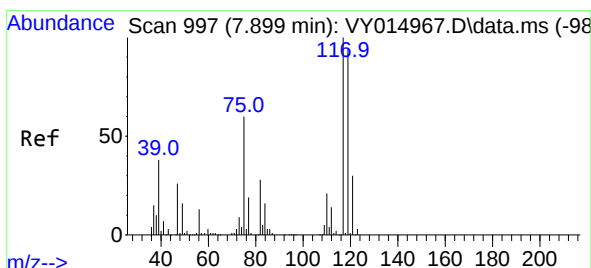
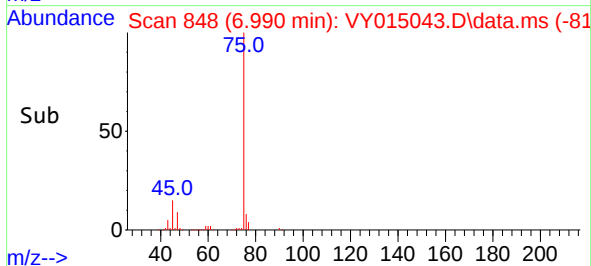
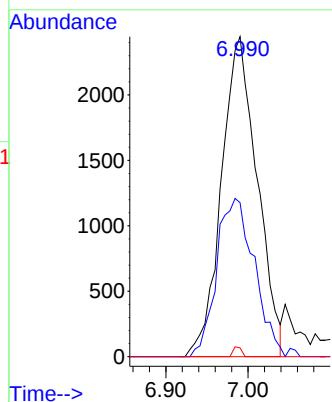


#37
Ethyl Acetate
Concen: 3.155 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.079 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

Instrument :
MSVOA_Y
ClientSampleId :

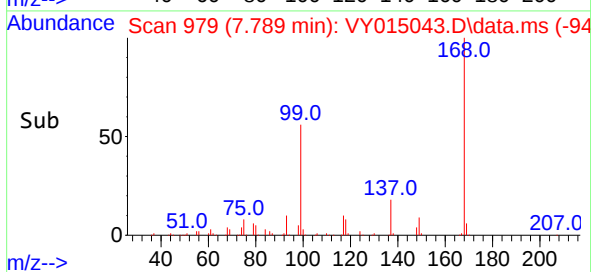
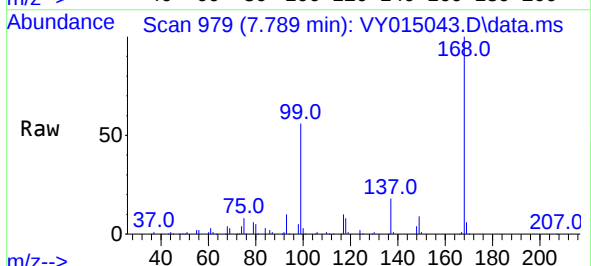
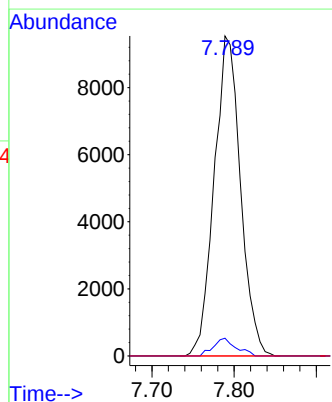


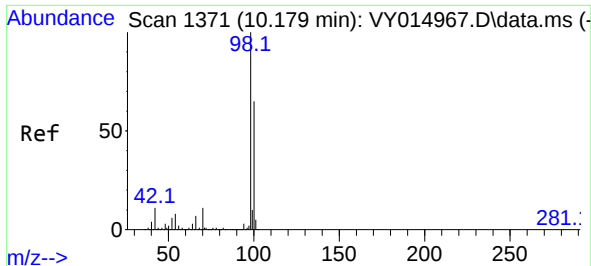
Tgt Ion: 43 Resp: 7380
Ion Ratio Lower Upper
43 100
61 52.1 10.1 15.1#
70 0.7 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.396 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

Tgt Ion: 117 Resp: 21189
Ion Ratio Lower Upper
117 100
119 5.6 76.4 114.6#
121 0.0 25.8 38.6#

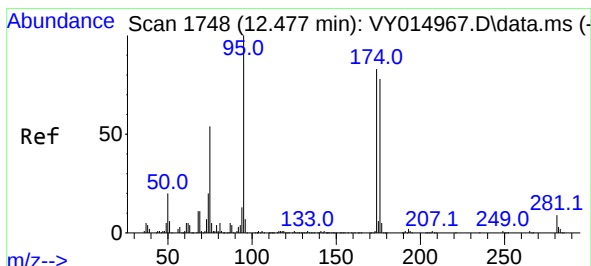
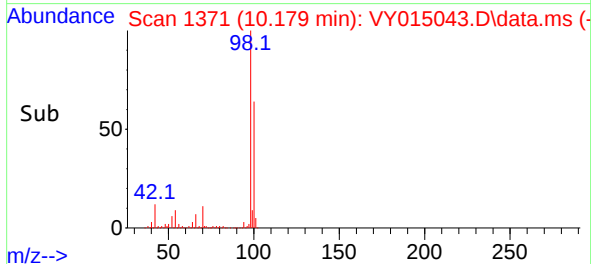
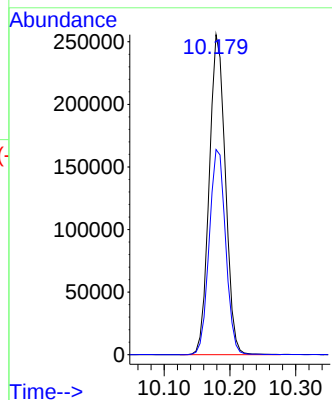
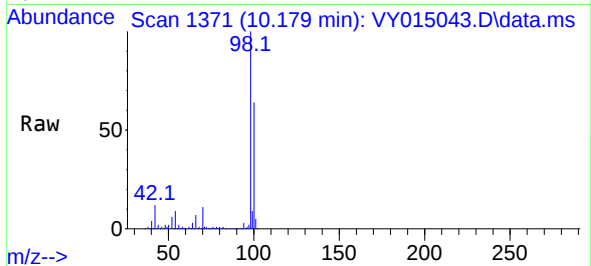




#50
Toluene-d8
Concen: 48.373 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

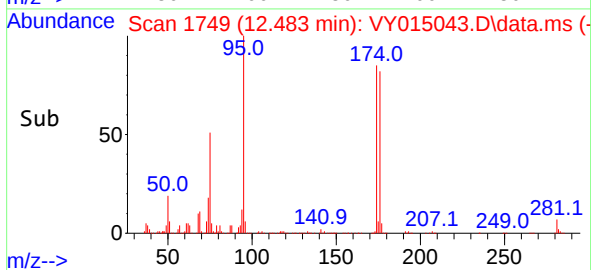
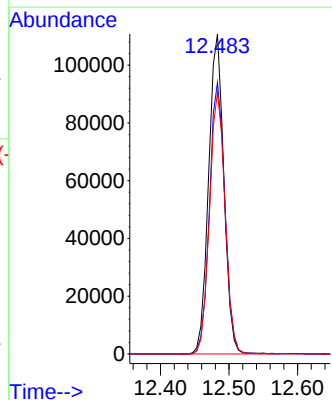
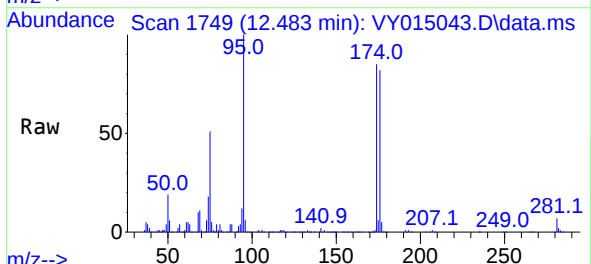
Instrument :
MSVOA_Y
ClientSampleId :

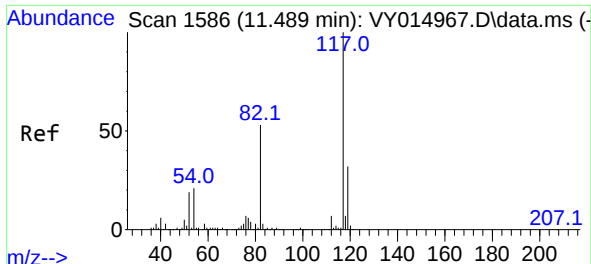
Tgt Ion: 98 Resp: 436989
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 53.574 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

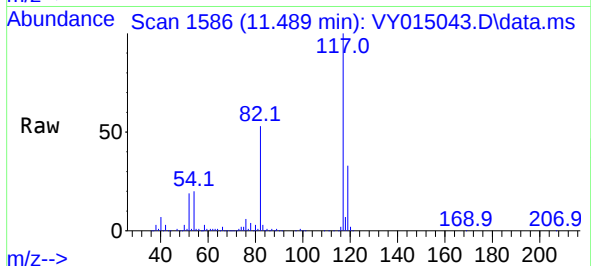
Tgt Ion: 95 Resp: 171529
Ion Ratio Lower Upper
95 100
174 86.0 0.0 178.2
176 83.1 0.0 173.8



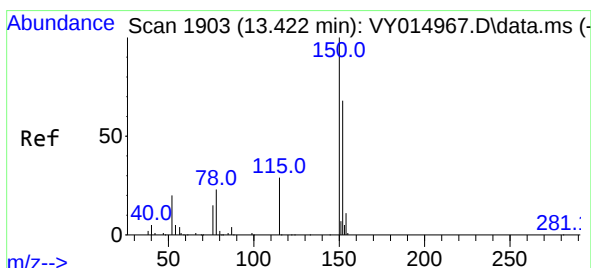
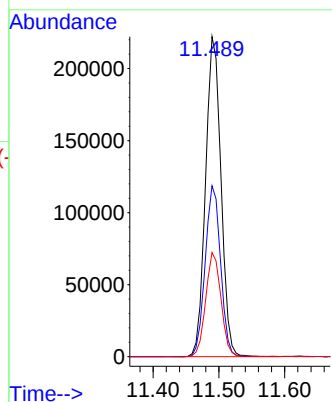
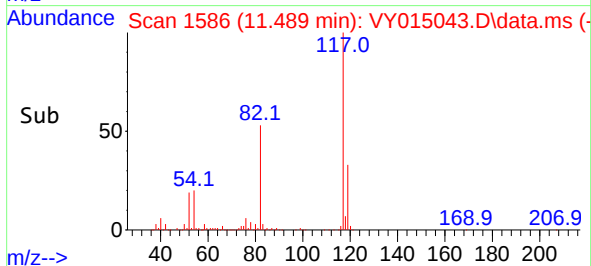


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

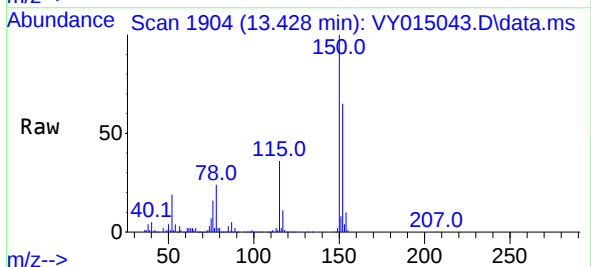
Instrument :
MSVOA_Y
ClientSampleId :



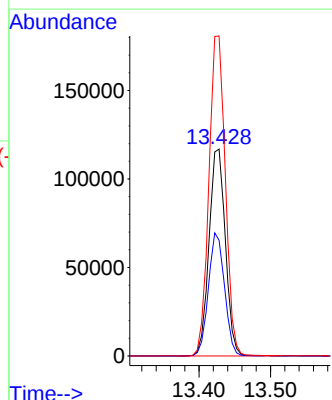
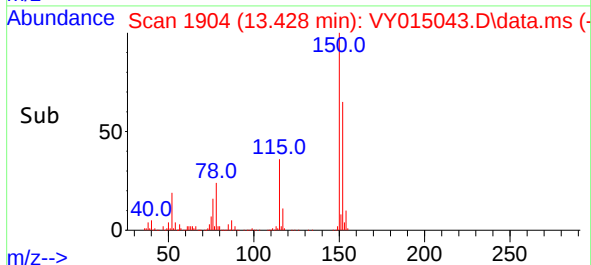
Tgt Ion:117 Resp: 362685
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 32.6 26.3 39.5

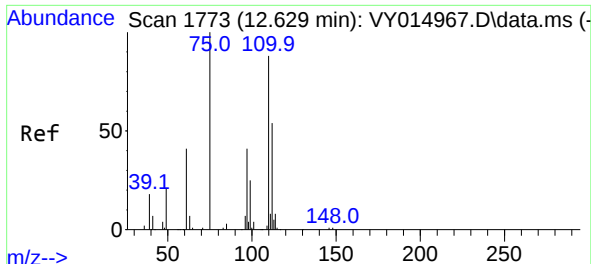


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21



Tgt Ion:152 Resp: 185909
Ion Ratio Lower Upper
152 100
115 58.5 28.8 86.5
150 155.4 0.0 348.8

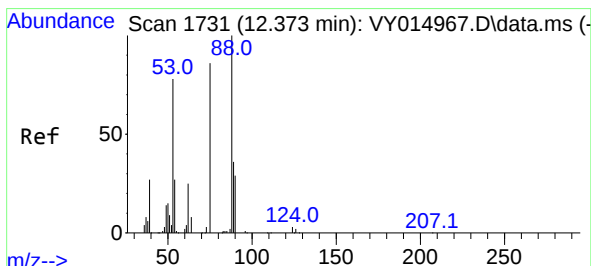
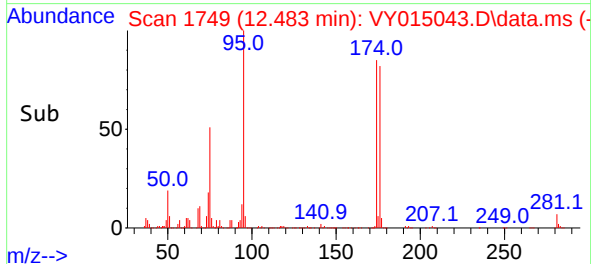
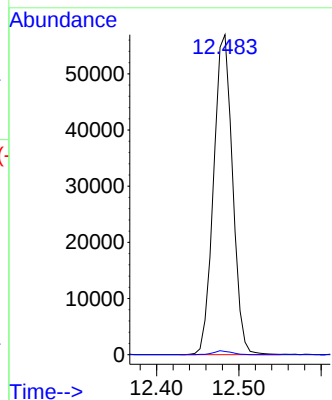
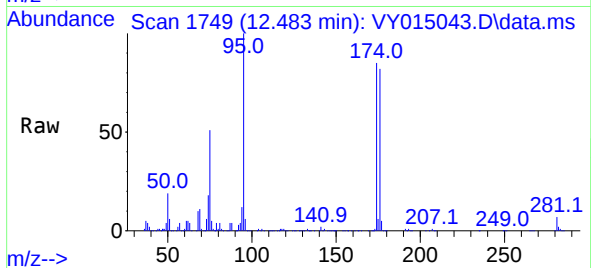




#76
1,2,3-Trichloropropane
Concen: 40.969 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

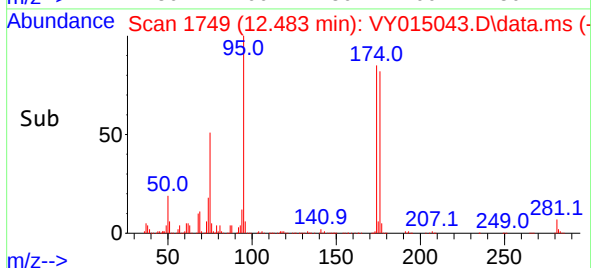
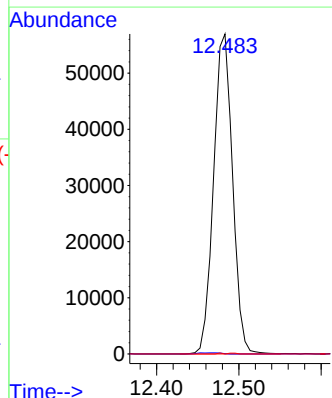
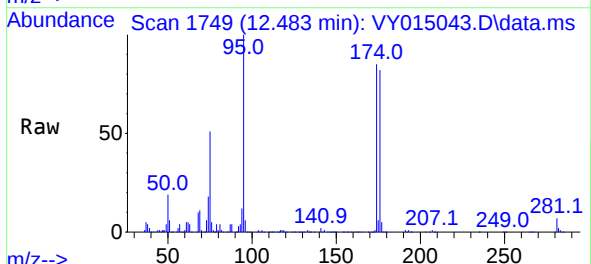
Instrument :
MSVOA_Y
ClientSampleId :

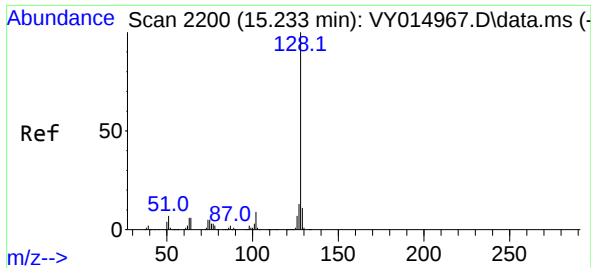
Tgt Ion: 75 Resp: 91263
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.255 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

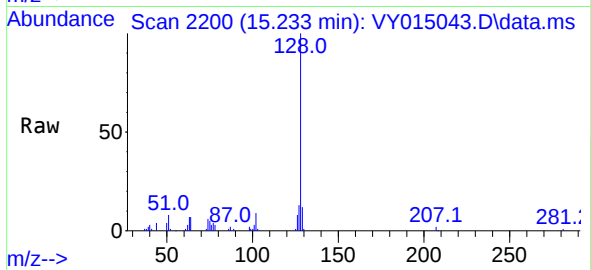
Tgt Ion: 75 Resp: 91263
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#





#95
Naphthalene
Concen: 3.790 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY015043.D
Acq: 10 Aug 2023 21:21

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	31248
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	11.4	8.6	13.0

