

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015042.D
 Acq On : 10 Aug 2023 20:57
 Operator : SY/MD
 Sample : 03955-16
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 11 01:58:46 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)

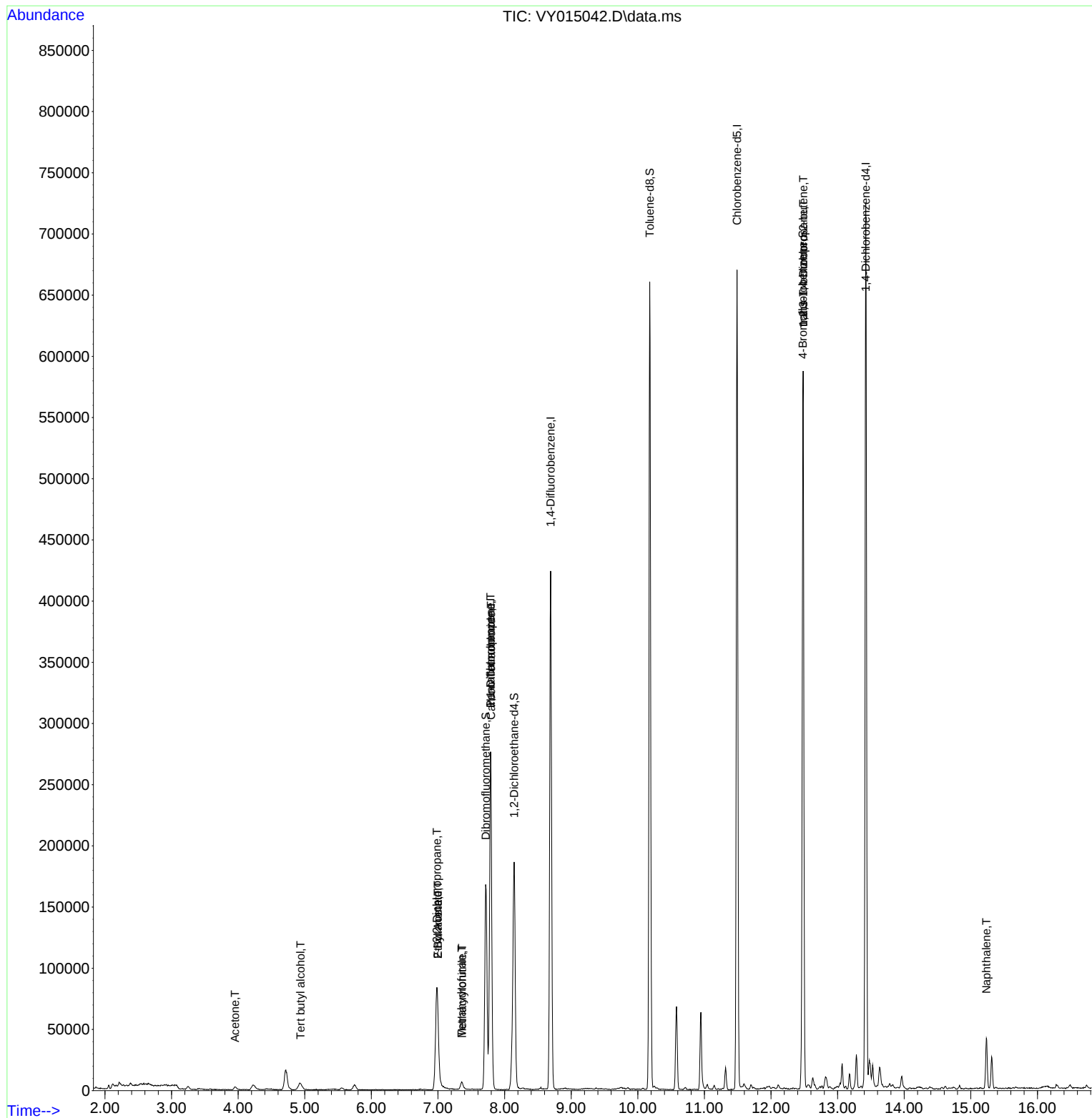
Internal Standards						
1) Pentafluorobenzene	7.789	168	216233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	366459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	361142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	185728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	137882	52.610	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.220%	
35) Dibromofluoromethane	7.716	113	117740	50.243	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.480%	
50) Toluene-d8	10.179	98	435274	48.800	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.600%	
62) 4-Bromofluorobenzene	12.477	95	171733	54.324	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.640%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	127	Below Cal	#	43
5) Bromomethane	2.650	94	466	Below Cal	#	51
11) Tert butyl alcohol	4.936	59	6620	10.466	ug/l #	93
16) Acetone	3.954	43	4320	5.286	ug/l #	86
20) Methylene Chloride	4.716	84	12256	Below Cal		84
25) 2-Butanone	6.996	43	12781	10.919	ug/l	100
26) 2,2-Dichloropropane	6.984	77	6264	1.646	ug/l #	54
29) Tetrahydrofuran	7.356	42	4498	6.553	ug/l #	87
31) Cyclohexane	7.789	56	4307	Below Cal	#	3
36) 1,1-Dichloropropene	7.789	75	15283	5.253	ug/l #	51
37) Ethyl Acetate	6.996	43	12781	5.534	ug/l #	63
38) Carbon Tetrachloride	7.795	117	21891	6.693	ug/l #	15
41) Methacrylonitrile	7.362	41	2749	2.449	ug/l #	42
76) 1,2,3-Trichloropropane	12.483	75	90818	40.809	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	90818	89.903	ug/l #	11
95) Naphthalene	15.233	128	34811	4.226	ug/l	99

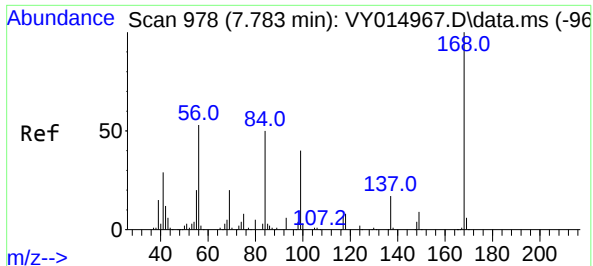
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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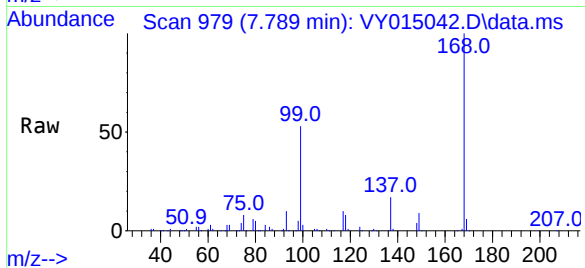
Quant Time: Aug 11 01:58:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 08 07:44:56 2023
Response via : Initial Calibration



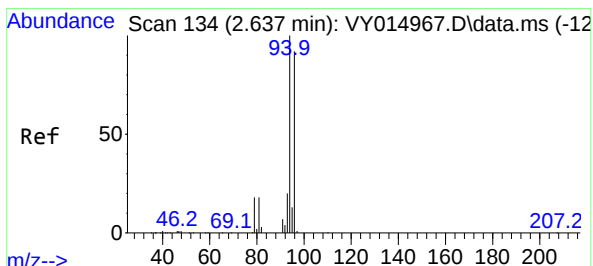
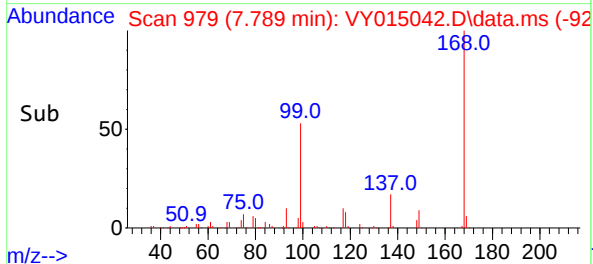
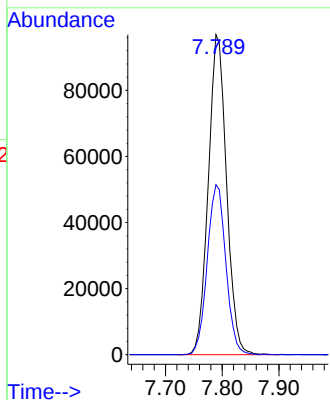


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

Instrument :
MSVOA_Y
ClientSampleId :

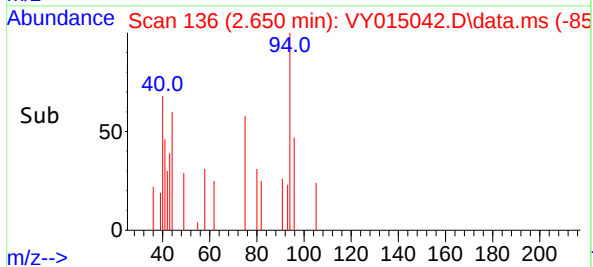
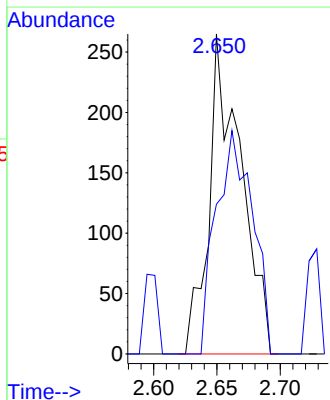
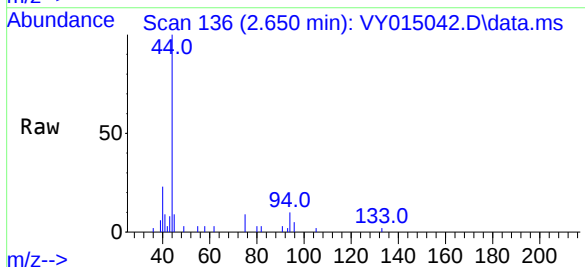


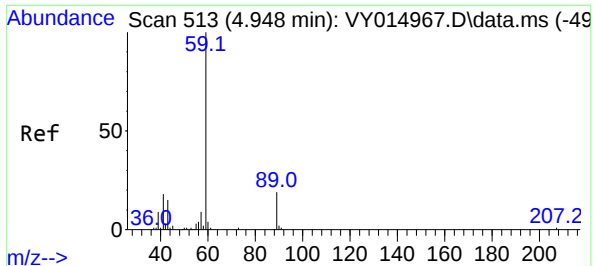
Tgt Ion:168 Resp: 216233
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

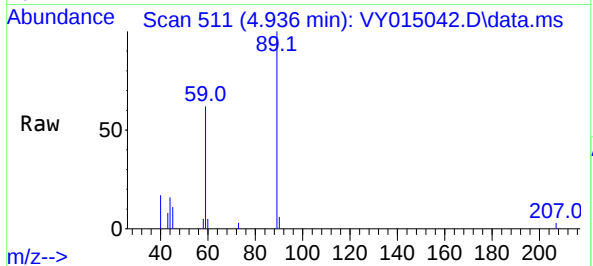
Tgt Ion: 94 Resp: 466
Ion Ratio Lower Upper
94 100
96 46.8 75.8 113.6#



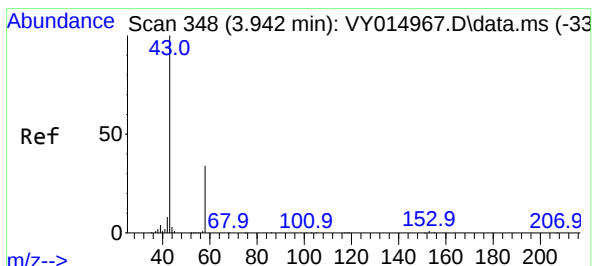
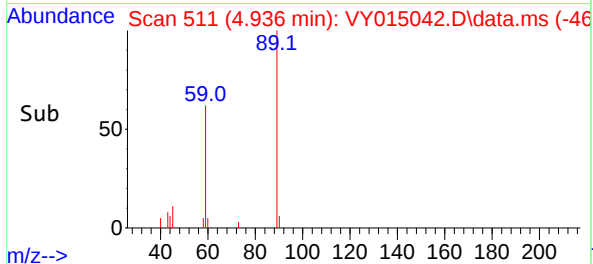
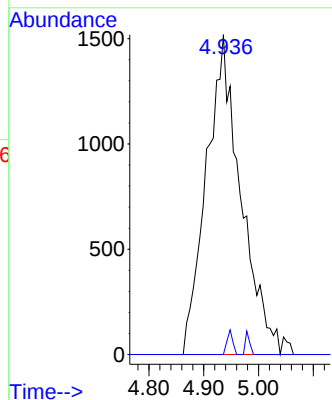


#11
Tert butyl alcohol
Concen: 10.466 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

Instrument :
MSVOA_Y
ClientSampleId :

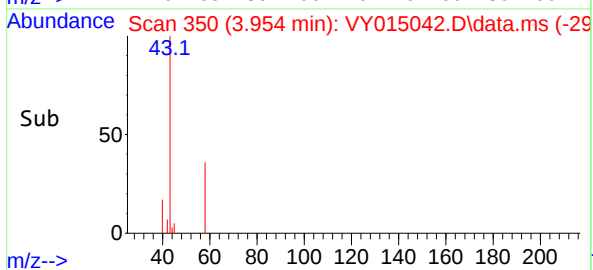
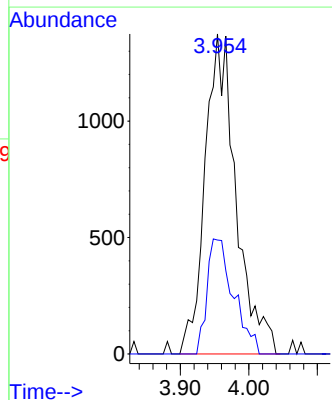
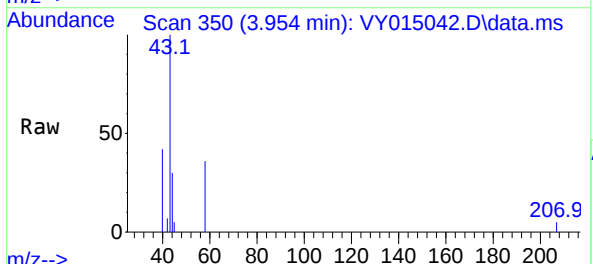


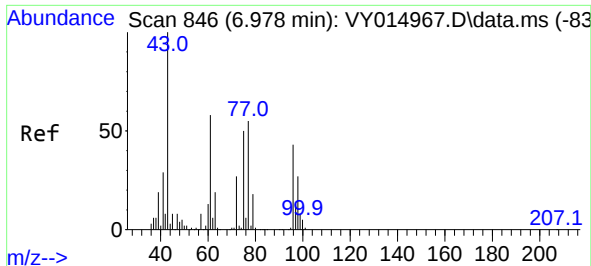
Tgt Ion: 59 Resp: 6620
Ion Ratio Lower Upper
59 100
57 1.3 3.0 4.4#



#16
Acetone
Concen: 5.286 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

Tgt Ion: 43 Resp: 4320
Ion Ratio Lower Upper
43 100
58 35.6 22.7 34.1#





#25

2-Butanone

Concen: 10.919 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.018 min

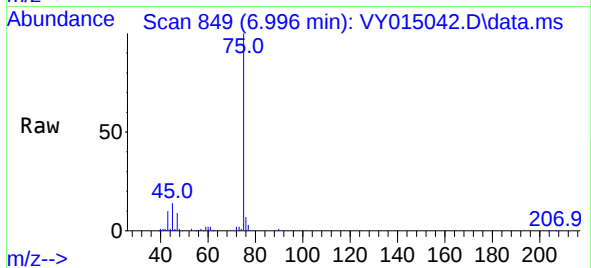
Lab File: VY015042.D

Acq: 10 Aug 2023 20:57

Instrument :

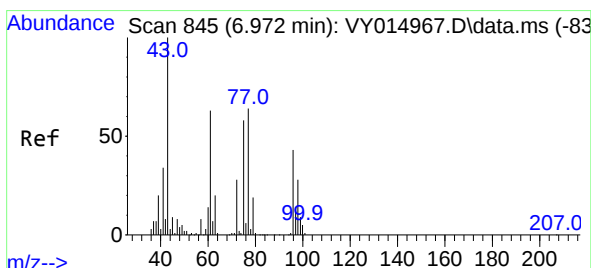
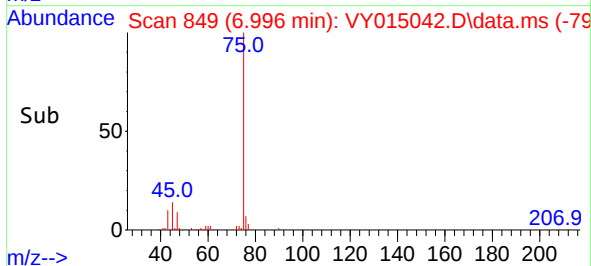
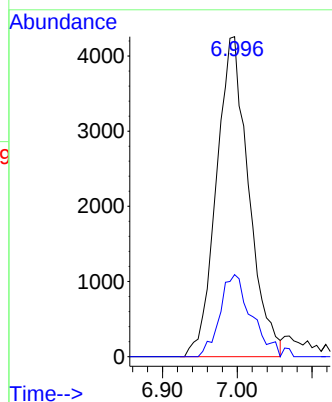
MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 12781

Ion	Ratio	Lower	Upper
43	100		
72	25.6	20.5	30.7



#26

2,2-Dichloropropane

Concen: 1.646 ug/l

RT: 6.984 min Scan# 847

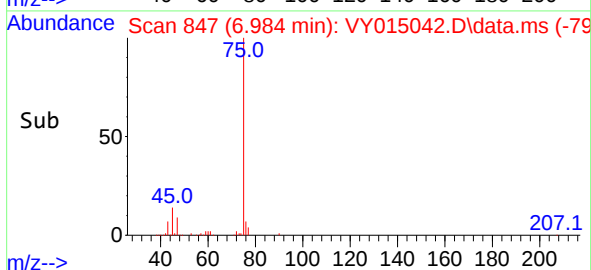
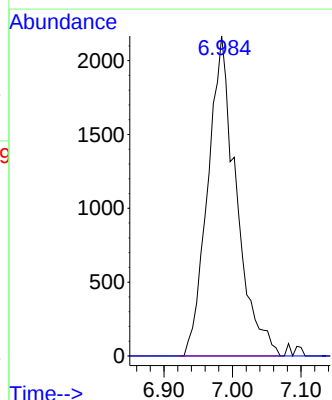
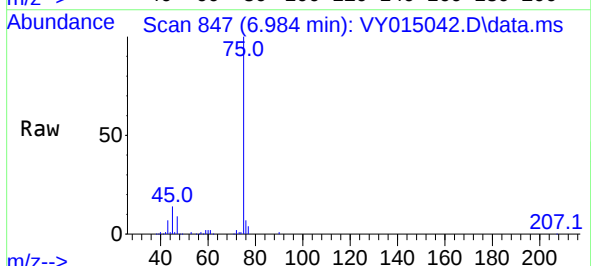
Delta R.T. 0.012 min

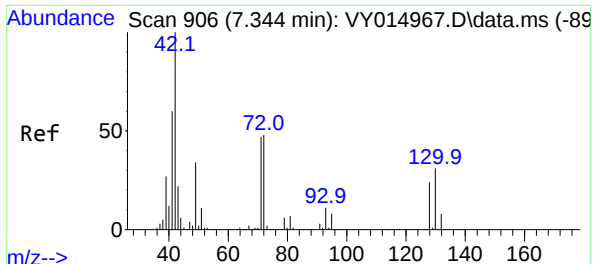
Lab File: VY015042.D

Acq: 10 Aug 2023 20:57

Tgt Ion: 77 Resp: 6264

Ion	Ratio	Lower	Upper
77	100		
97	0.0	10.9	32.9#





#29

Tetrahydrofuran

Concen: 6.553 ug/l

RT: 7.356 min Scan# 90

Delta R.T. 0.012 min

Lab File: VY015042.D

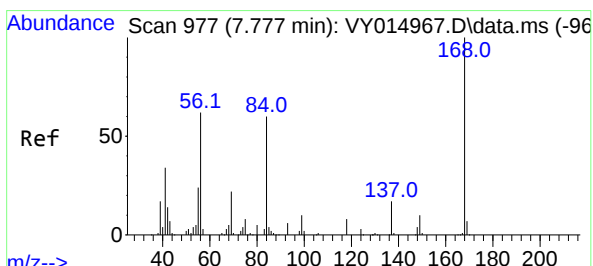
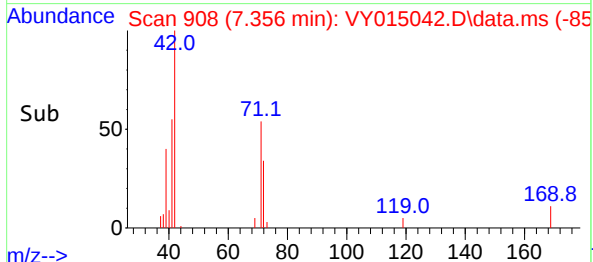
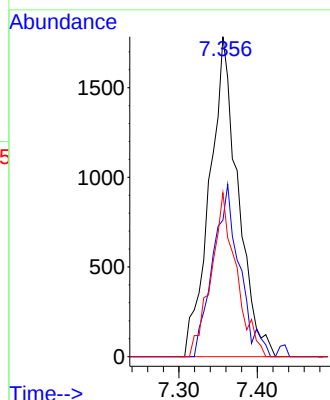
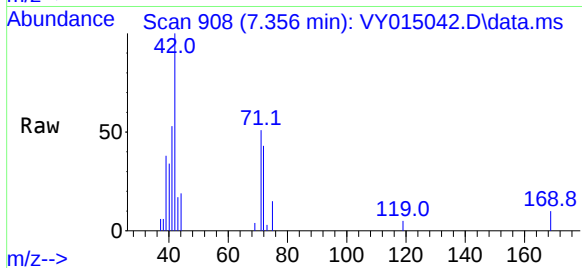
Acq: 10 Aug 2023 20:57

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	42	Resp:	4498
Ion	Ratio	Lower	Upper
42	100		
72	50.3	32.8	49.2#
71	45.2	31.0	46.4



#31

Cyclohexane

Concen: Below Cal

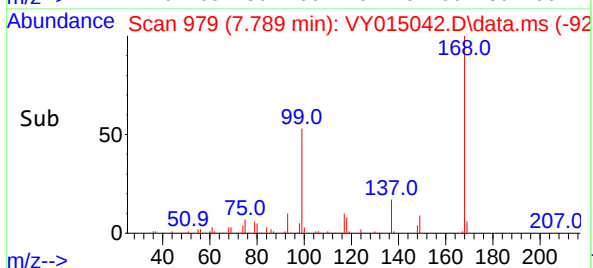
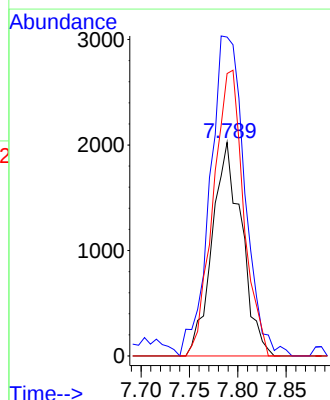
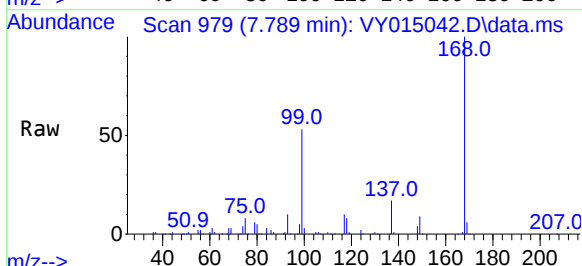
RT: 7.789 min Scan# 979

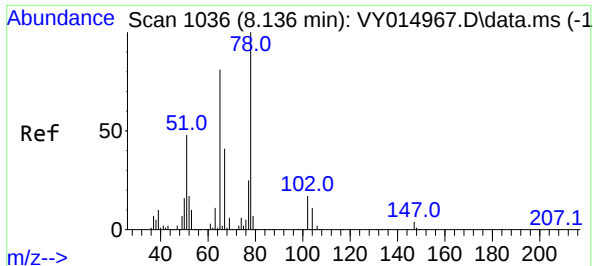
Delta R.T. 0.012 min

Lab File: VY015042.D

Acq: 10 Aug 2023 20:57

Tgt Ion:	56	Resp:	4307
Ion	Ratio	Lower	Upper
56	100		
69	149.3	27.8	41.6#
84	132.2	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.610 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY015042.D

Acq: 10 Aug 2023 20:57

Instrument :

MSVOA_Y

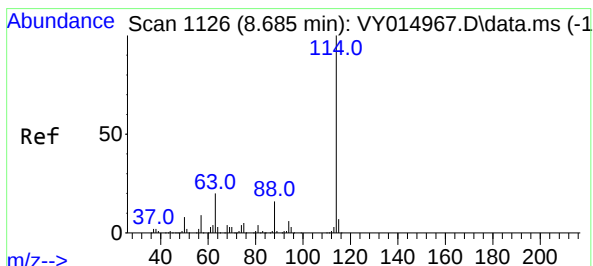
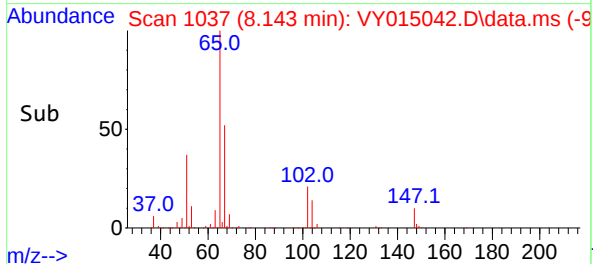
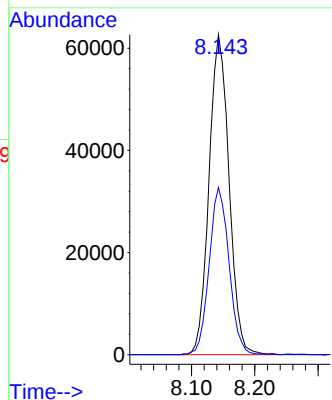
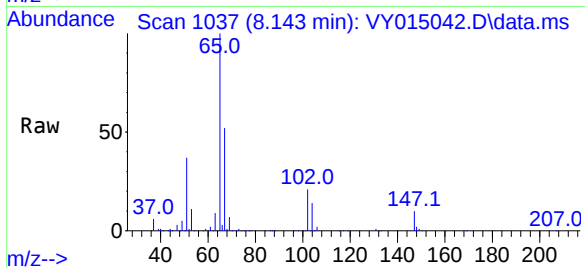
ClientSampleId :

Tgt Ion: 65 Resp: 137882

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. 0.006 min

Lab File: VY015042.D

Acq: 10 Aug 2023 20:57

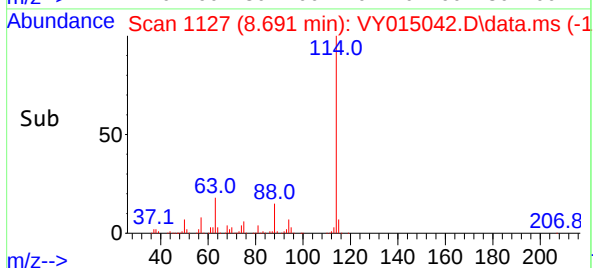
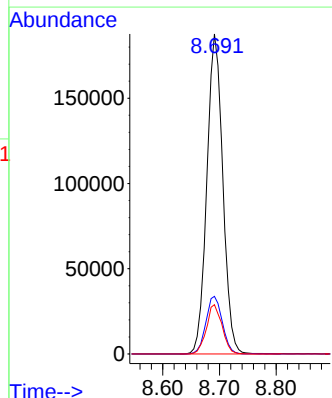
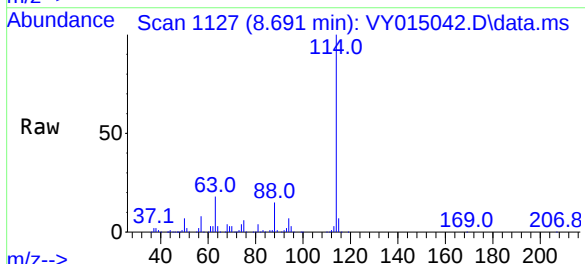
Tgt Ion: 114 Resp: 366459

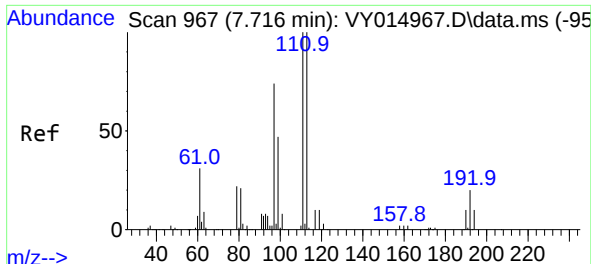
Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.4

88 15.4 0.0 30.6

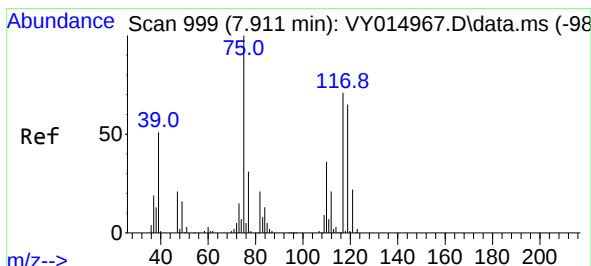
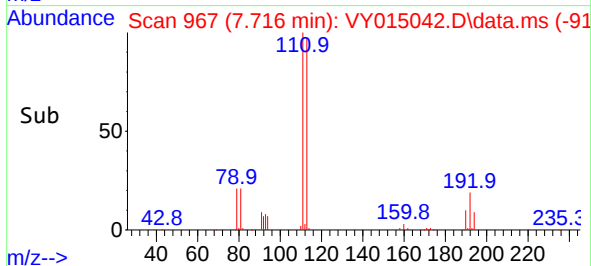
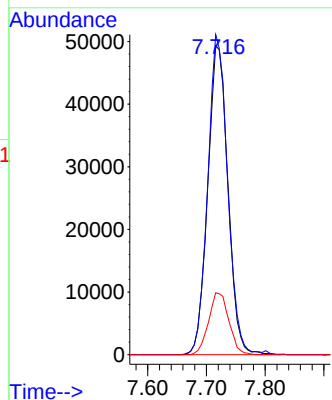
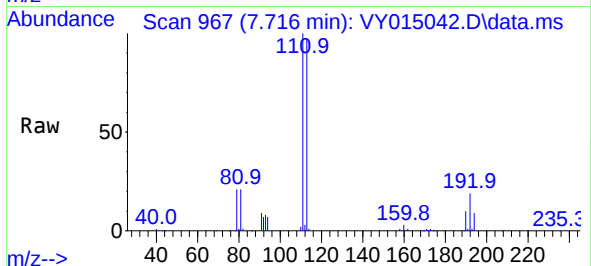




#35
Dibromofluoromethane
Concen: 50.243 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

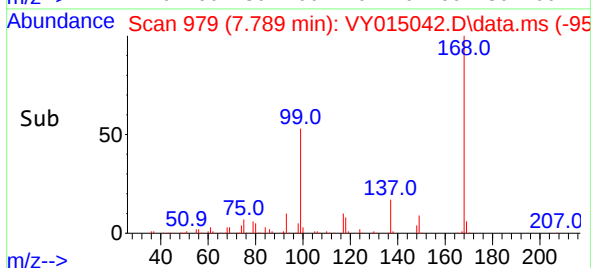
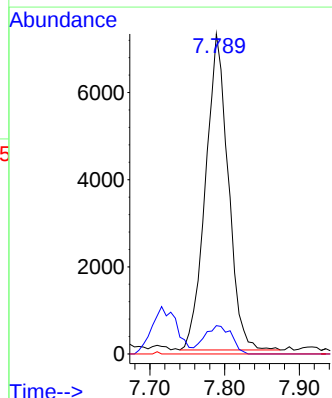
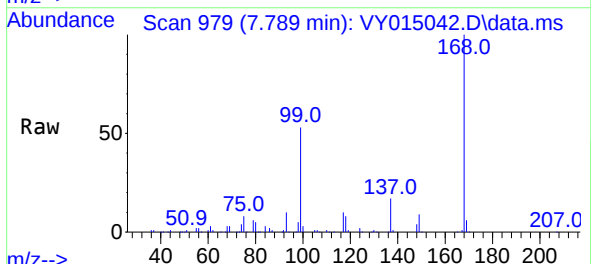
Instrument :
MSVOA_Y
ClientSampleId :

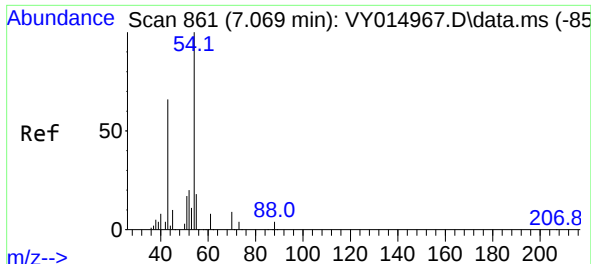
Tgt Ion:113 Resp: 117740
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 20.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.253 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

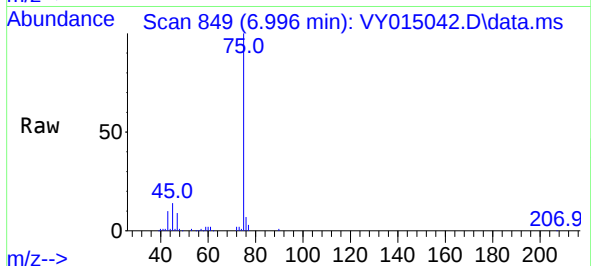
Tgt Ion: 75 Resp: 15283
Ion Ratio Lower Upper
75 100
110 10.6 17.8 53.5#
77 0.0 24.4 36.6#



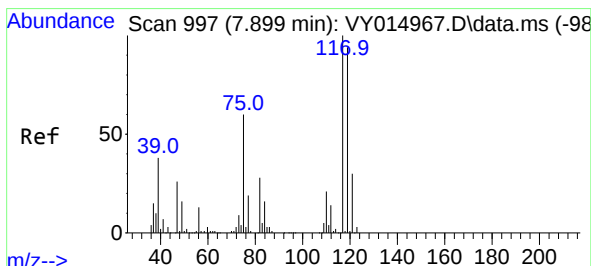
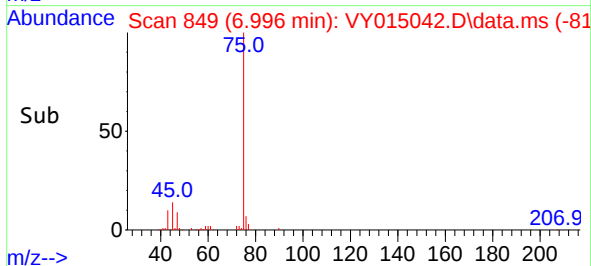
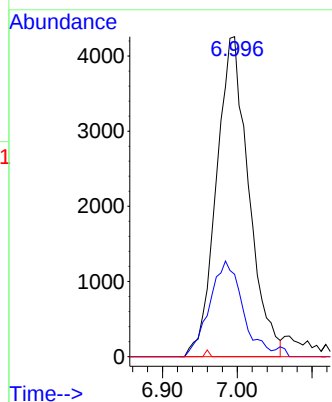


#37
Ethyl Acetate
Concen: 5.534 ug/l
RT: 6.996 min Scan# 84
Delta R.T. -0.073 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

Instrument :
MSVOA_Y
ClientSampleId :

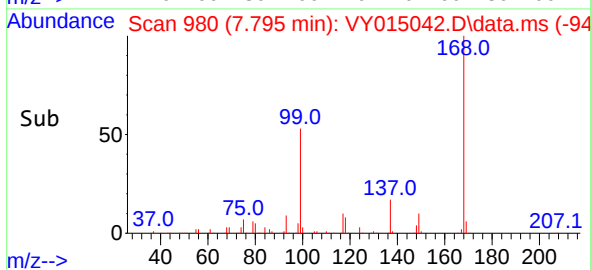
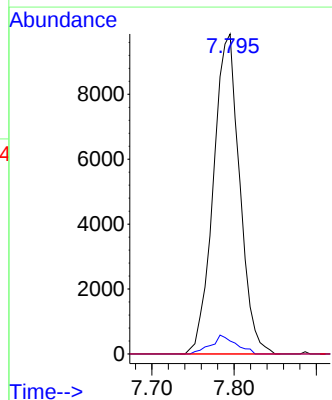
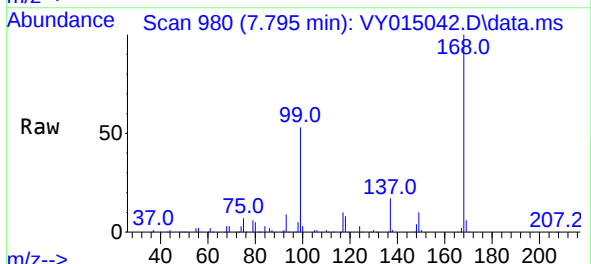


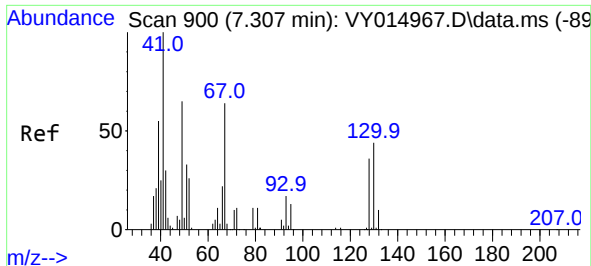
Tgt Ion: 43 Resp: 12781
Ion Ratio Lower Upper
43 100
61 30.6 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.693 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.104 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

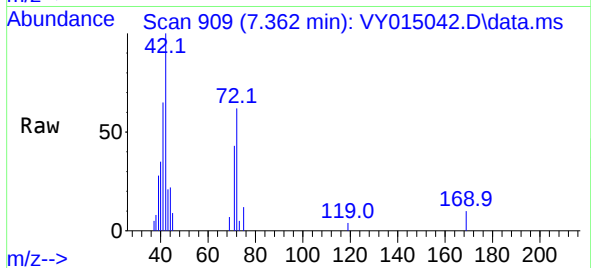
Tgt Ion: 117 Resp: 21891
Ion Ratio Lower Upper
117 100
119 4.0 76.4 114.6#
121 0.0 25.8 38.6#



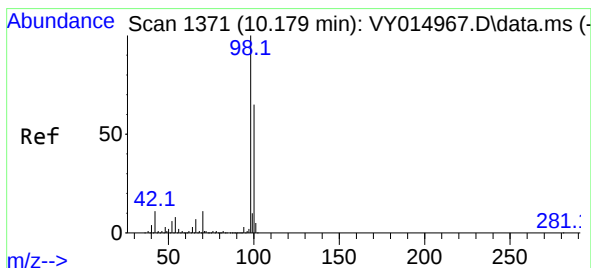
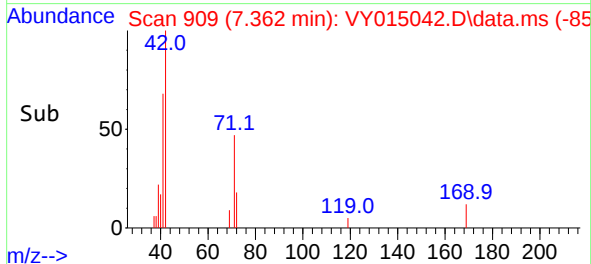
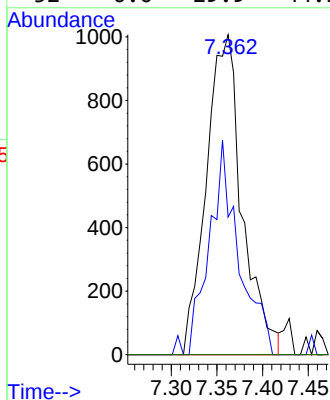


#41
Methacrylonitrile
Concen: 2.449 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.055 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

Instrument :
MSVOA_Y
ClientSampleId :

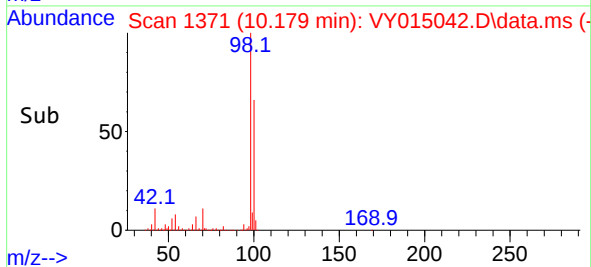
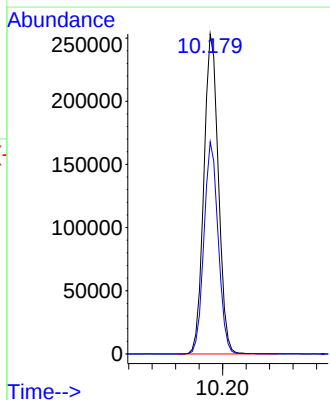
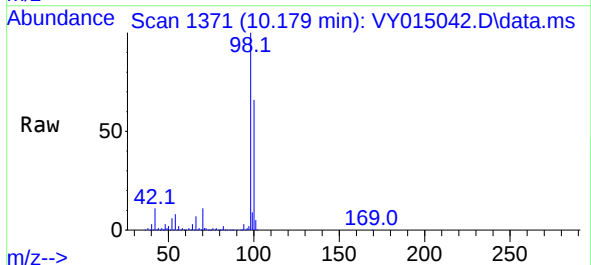


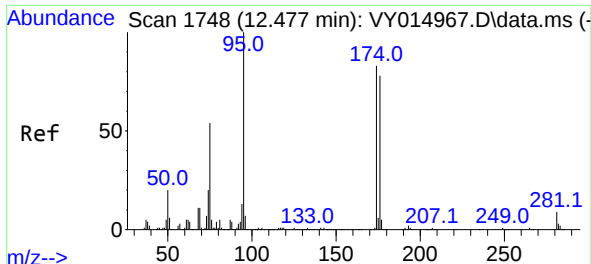
Tgt Ion: 41 Resp: 2749
Ion Ratio Lower Upper
41 100
39 55.6 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#



#50
Toluene-d8
Concen: 48.800 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

Tgt Ion: 98 Resp: 435274
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1

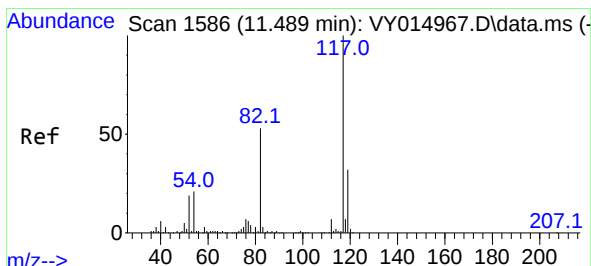
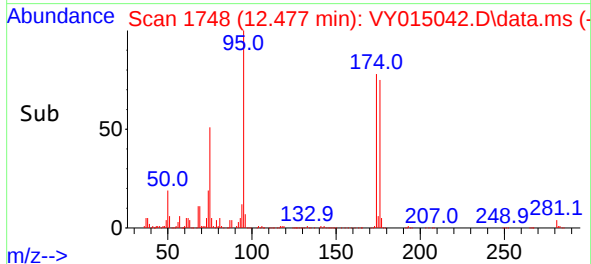
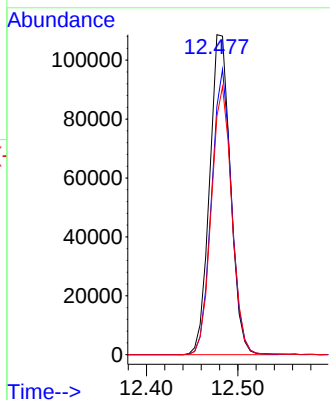
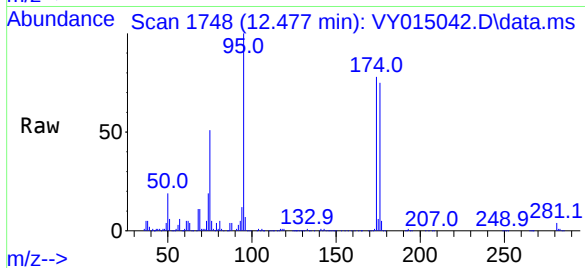




#62
4-Bromofluorobenzene
Concen: 54.324 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

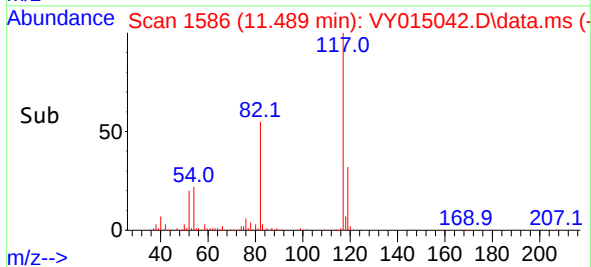
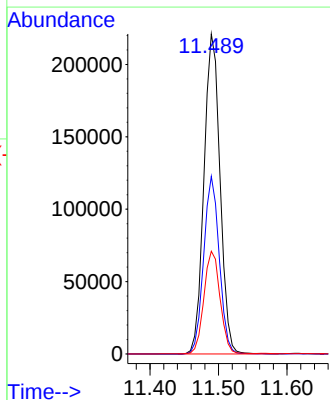
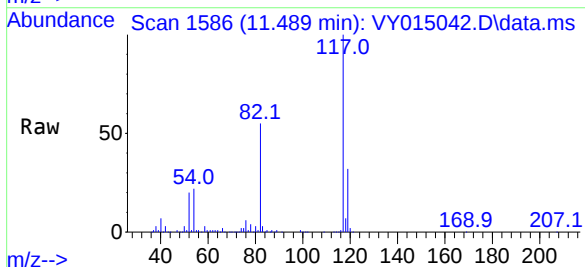
Instrument :
MSVOA_Y
ClientSampleId :

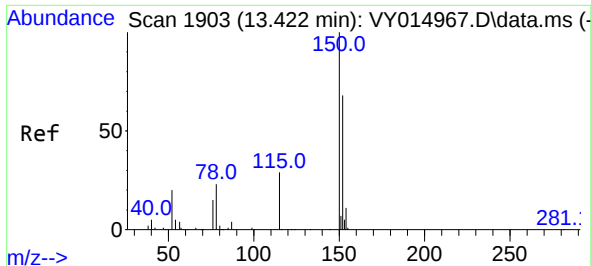
Tgt Ion: 95 Resp: 171733
Ion Ratio Lower Upper
95 100
174 85.9 0.0 178.2
176 82.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

Tgt Ion: 117 Resp: 361142
Ion Ratio Lower Upper
117 100
82 55.5 43.4 65.0
119 32.0 26.3 39.5

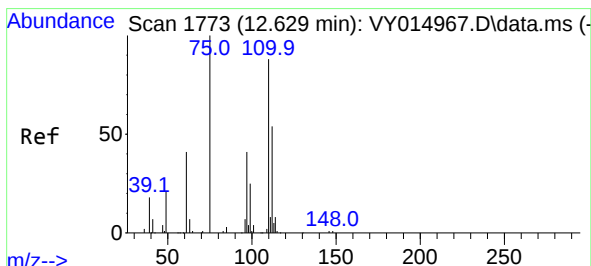
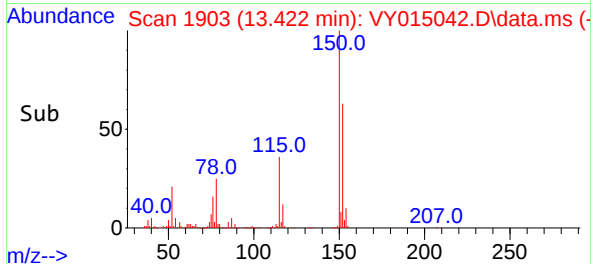
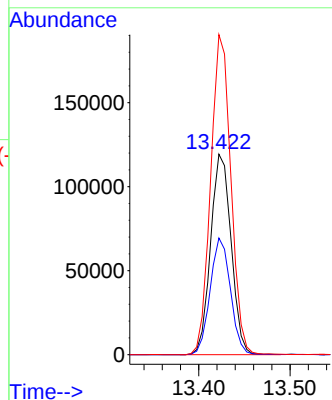
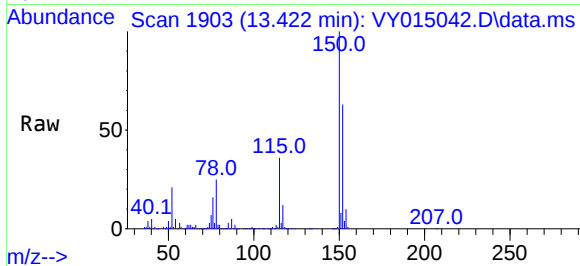




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

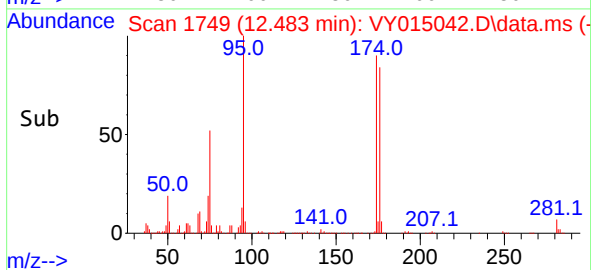
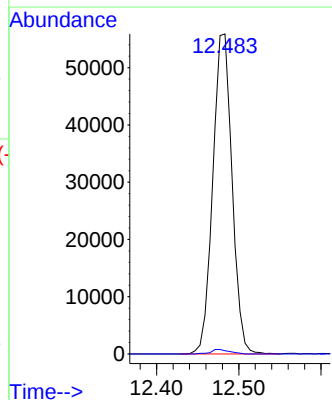
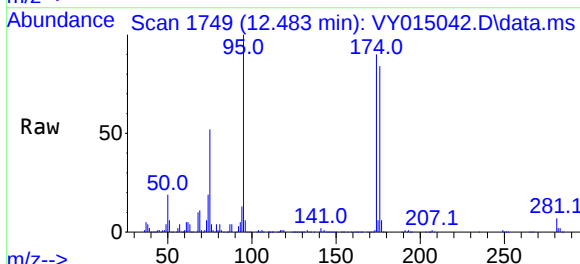
Instrument :
MSVOA_Y
ClientSampleId :

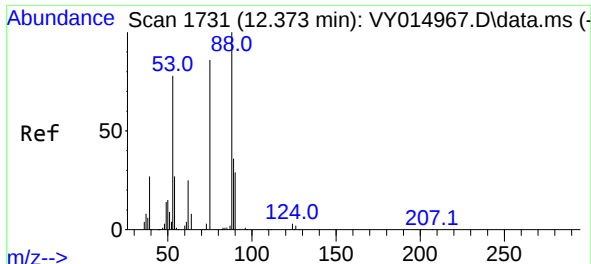
Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.8	86.5
150	157.4	0.0	348.8



#76
1,2,3-Trichloropropane
Concen: 40.809 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

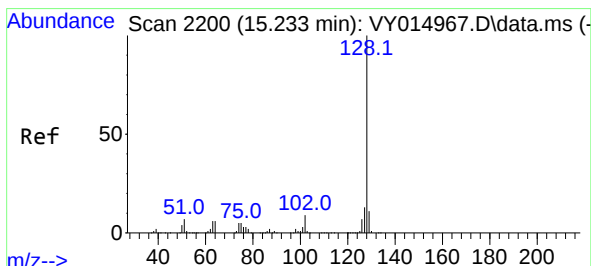
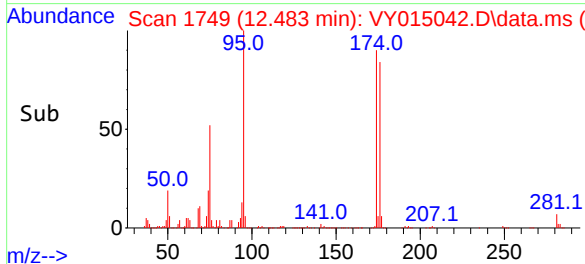
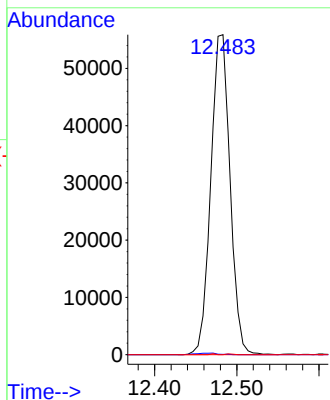
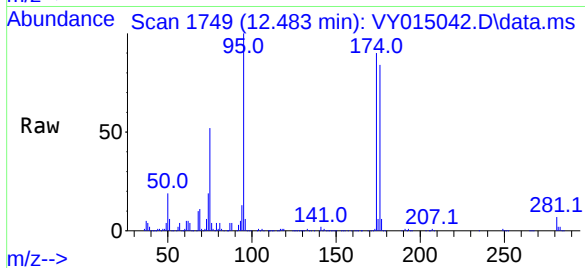




#81
trans-1,4-Dichloro-2-butene
Concen: 89.903 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 90818
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 4.226 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY015042.D
Acq: 10 Aug 2023 20:57

Tgt Ion:128 Resp: 34811
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 11.3 8.6 13.0

