

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015039.D
 Acq On : 10 Aug 2023 19:47
 Operator : SY/MD
 Sample : 03955-07
 Misc : 4.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 11 01:58:18 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)

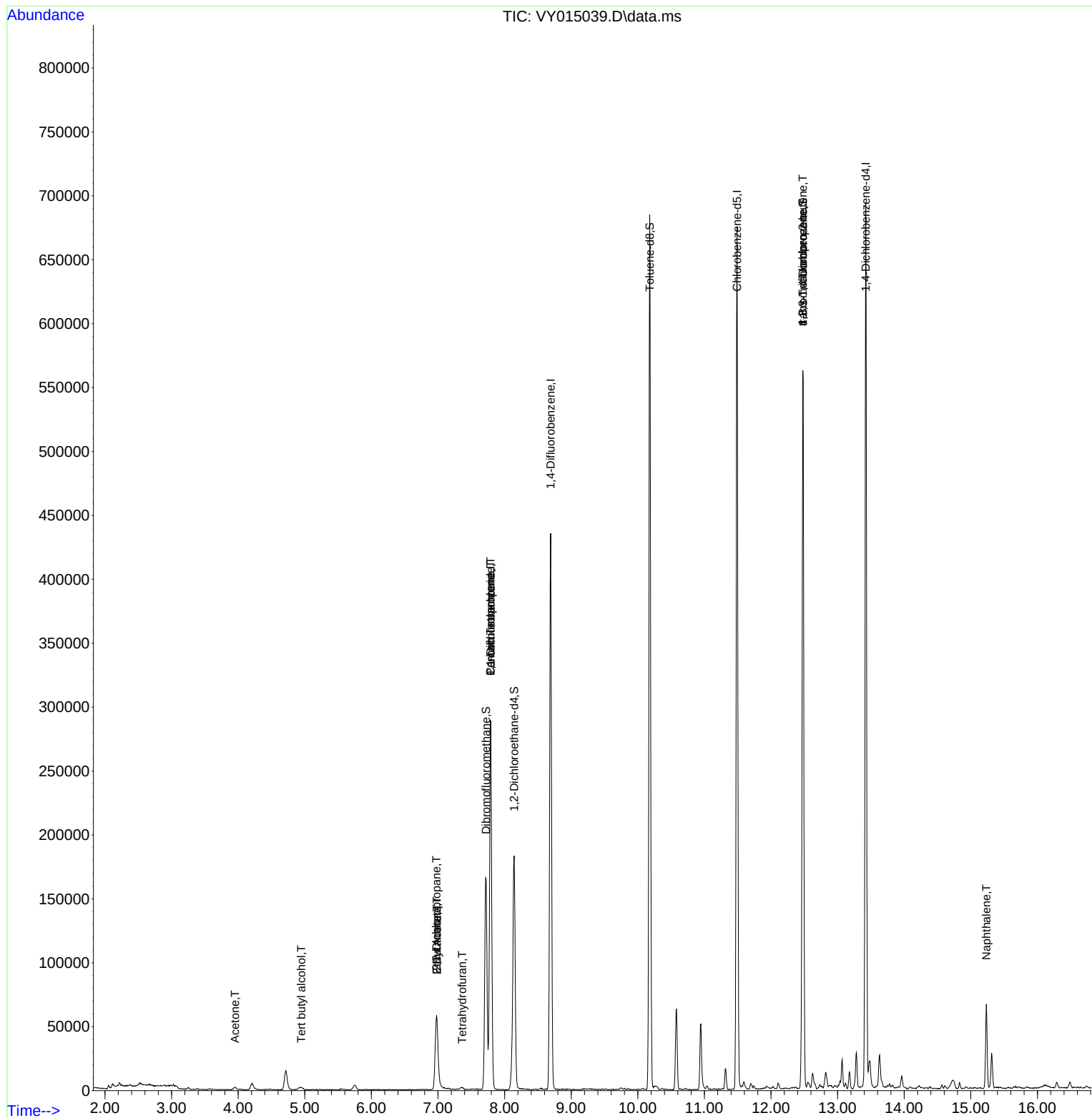
Internal Standards						
1) Pentafluorobenzene	7.789	168	223880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	377884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	365917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	176099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	139155	51.283	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.560%	
35) Dibromofluoromethane	7.722	113	119262	49.353	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.700%	
50) Toluene-d8	10.179	98	444394	48.316	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.640%	
62) 4-Bromofluorobenzene	12.477	95	166056	50.940	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.880%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	71	Below Cal	#	43
5) Bromomethane	2.650	94	508	Below Cal		88
11) Tert butyl alcohol	4.948	59	3199	4.885	ug/l #	89
16) Acetone	3.954	43	3520	4.160	ug/l #	73
20) Methylene Chloride	4.716	84	11139	Below Cal		92
25) 2-Butanone	6.984	43	3761	3.103	ug/l #	65
26) 2,2-Dichloropropane	6.978	77	4344	1.103	ug/l #	54
29) Tetrahydrofuran	7.362	42	1026	1.444	ug/l #	86
31) Cyclohexane	7.783	56	4648	Below Cal	#	26
36) 1,1-Dichloropropene	7.789	75	16713	5.571	ug/l #	50
37) Ethyl Acetate	6.984	43	3761	1.579	ug/l #	1
38) Carbon Tetrachloride	7.789	117	21694	6.432	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	88409	41.898	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	88409	92.303	ug/l #	11
95) Naphthalene	15.233	128	53060	6.794	ug/l	99

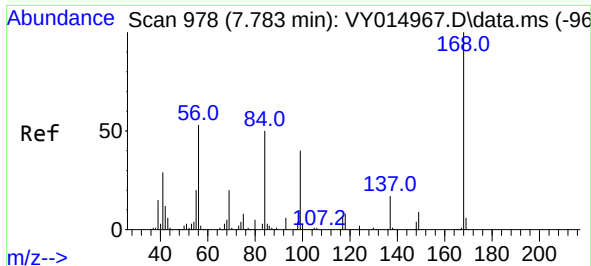
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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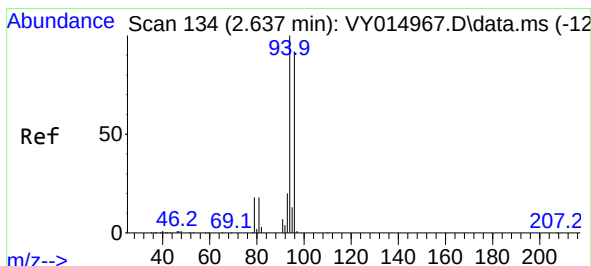
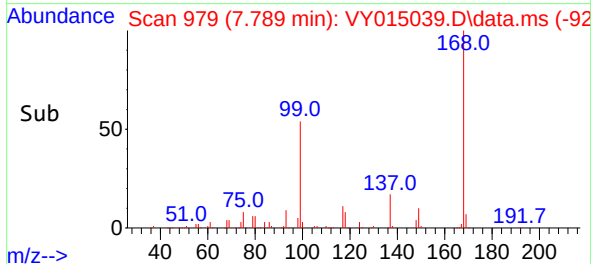
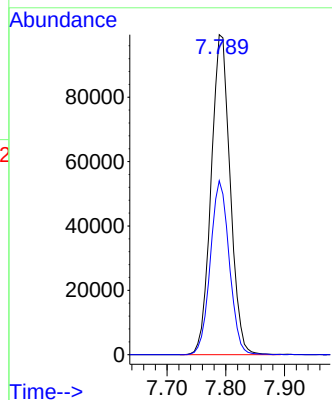
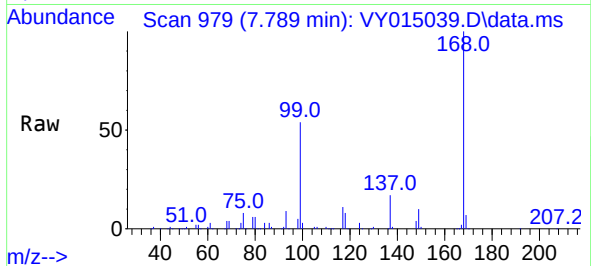




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47

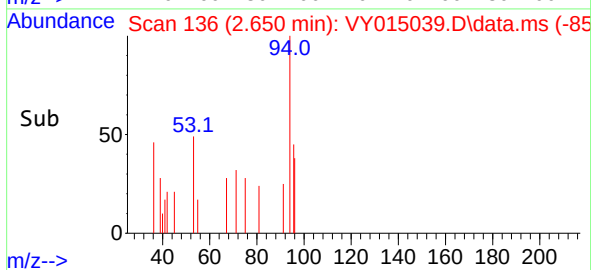
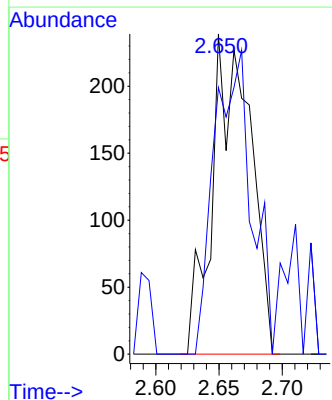
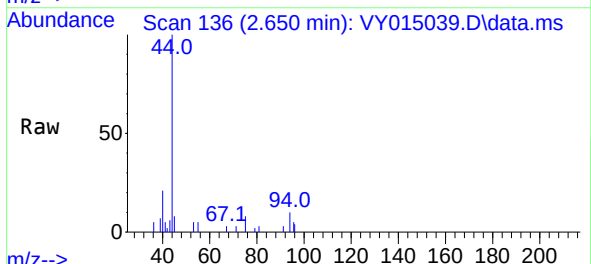
Instrument :
MSVOA_Y
ClientSampleId :

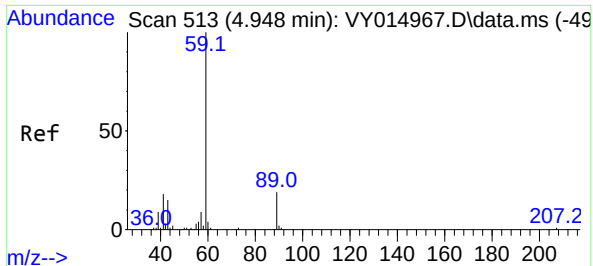
Tgt Ion:168 Resp: 223880
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47

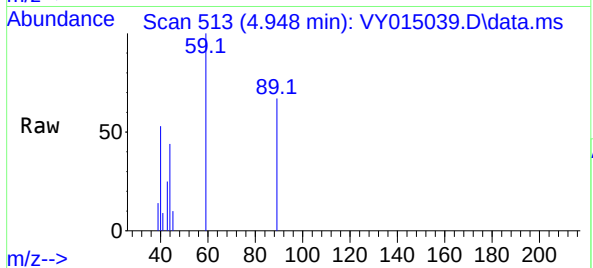
Tgt Ion: 94 Resp: 508
Ion Ratio Lower Upper
94 100
96 83.3 75.8 113.6



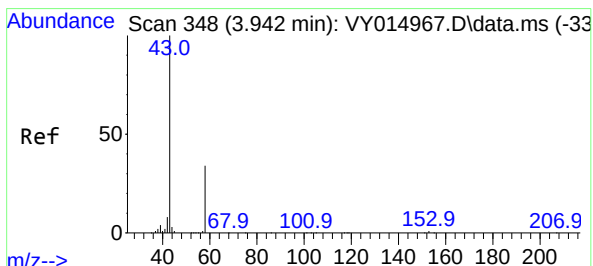
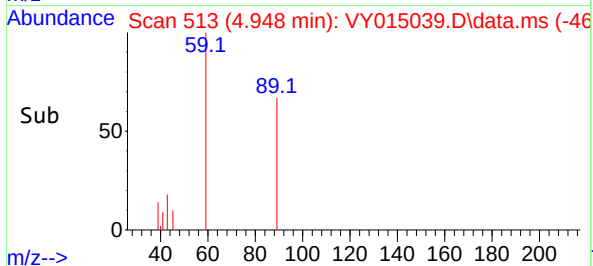
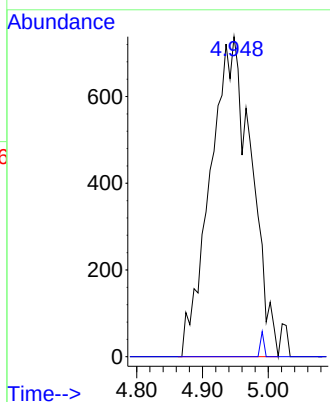


#11
Tert butyl alcohol
Concen: 4.885 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47

Instrument :
MSVOA_Y
ClientSampleId :

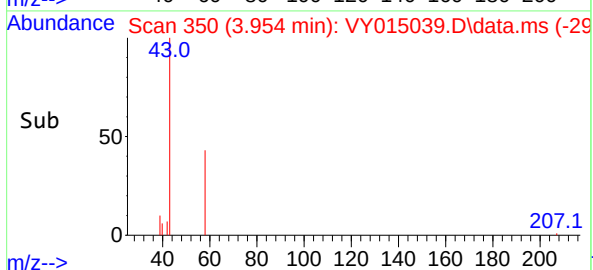
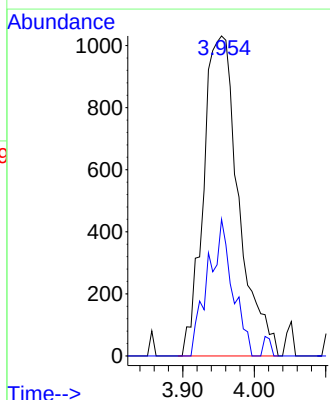
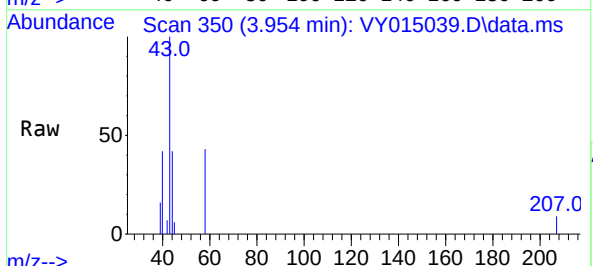


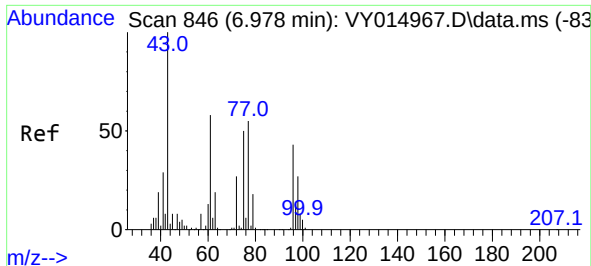
Tgt Ion: 59 Resp: 3199
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 4.160 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47

Tgt Ion: 43 Resp: 3520
Ion Ratio Lower Upper
43 100
58 42.7 22.7 34.1#





#25

2-Butanone

Concen: 3.103 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.006 min

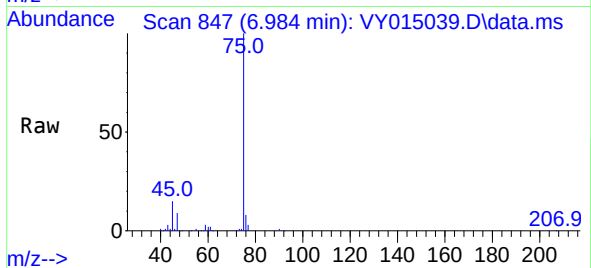
Lab File: VY015039.D

Acq: 10 Aug 2023 19:47

Instrument :

MSVOA_Y

ClientSampleId :

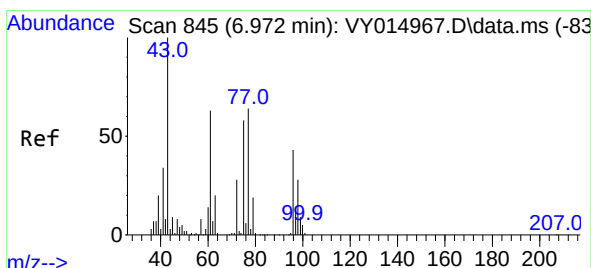
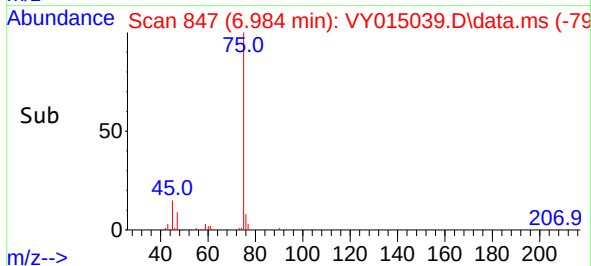
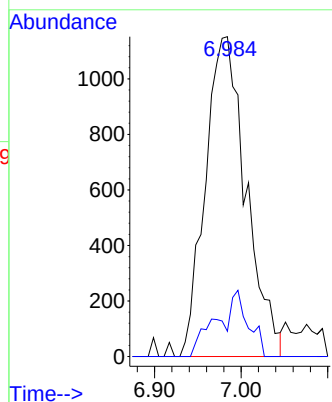


Tgt Ion: 43 Resp: 3761

Ion Ratio Lower Upper

43 100

72 7.9 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.103 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015039.D

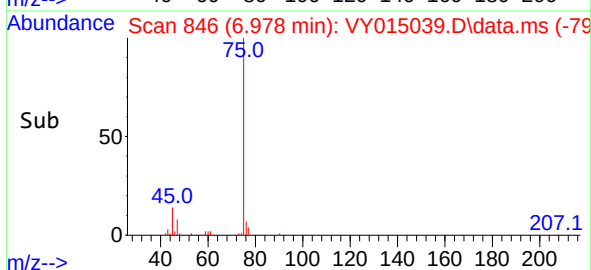
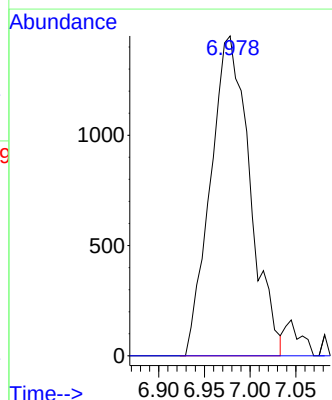
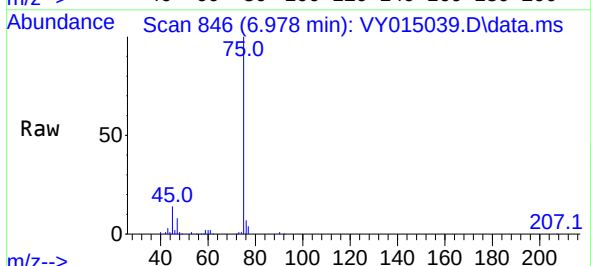
Acq: 10 Aug 2023 19:47

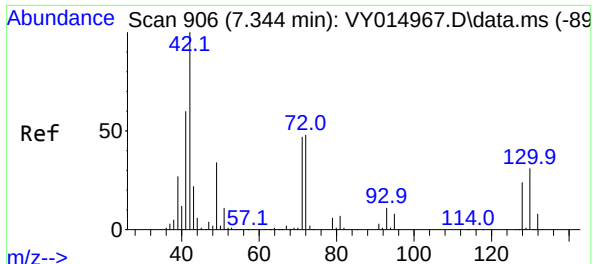
Tgt Ion: 77 Resp: 4344

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

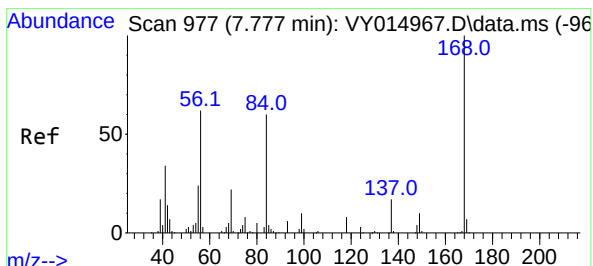
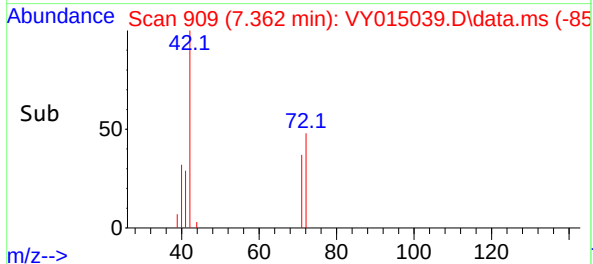
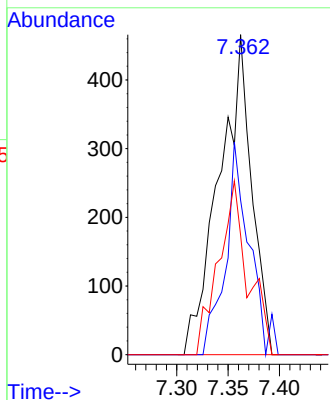
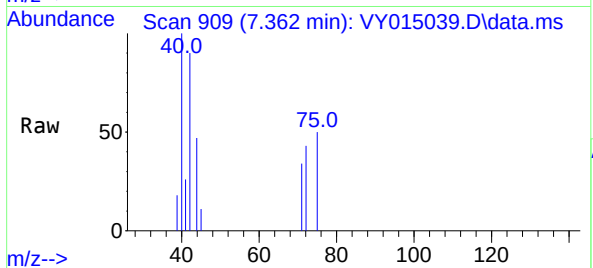




#29
Tetrahydrofuran
Concen: 1.444 ug/l
RT: 7.362 min Scan# 906
Delta R.T. 0.018 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47

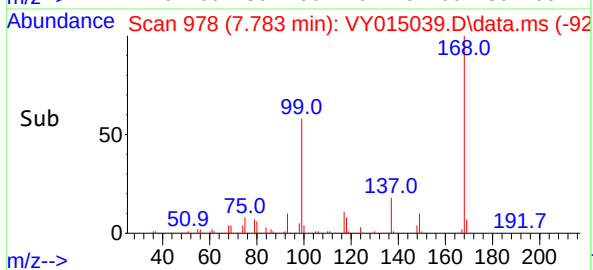
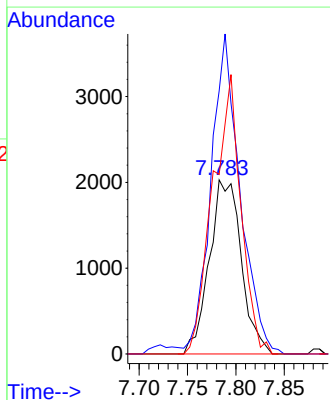
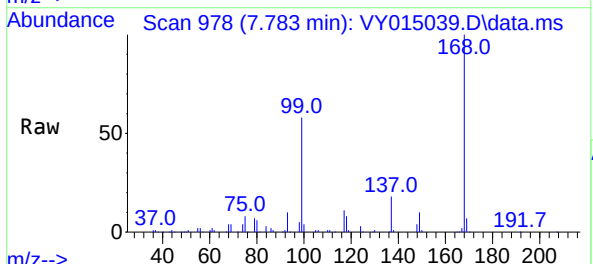
Instrument :
MSVOA_Y
ClientSampleId :

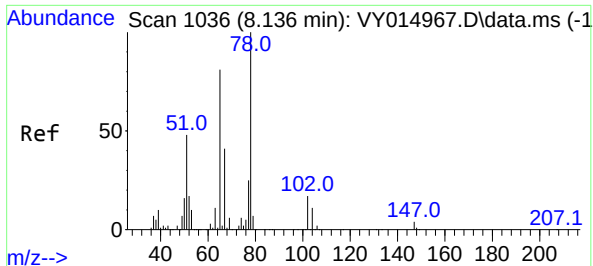
Tgt Ion:	42	Resp:	1026
Ion	Ratio	Lower	Upper
42	100		
72	48.8	32.8	49.2
71	48.7	31.0	46.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47

Tgt Ion:	56	Resp:	4648
Ion	Ratio	Lower	Upper
56	100		
69	148.5	27.8	41.6
84	103.2	66.4	99.6





#33

1,2-Dichloroethane-d4

Concen: 51.283 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY015039.D

Acq: 10 Aug 2023 19:47

Instrument :

MSVOA_Y

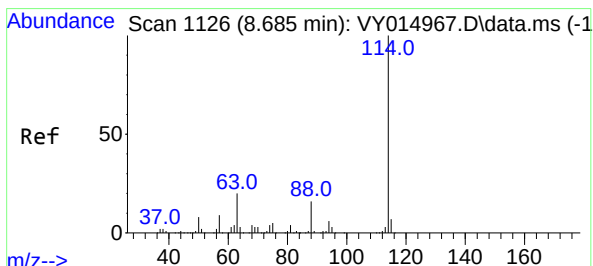
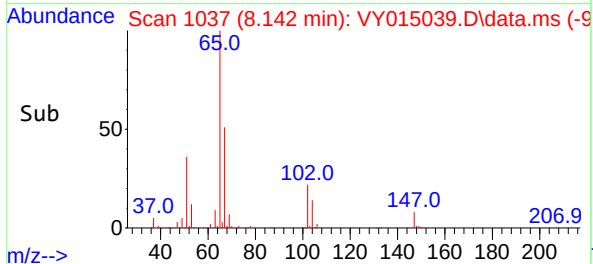
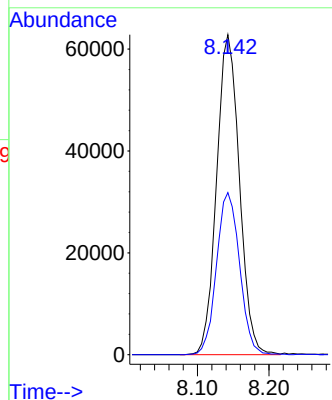
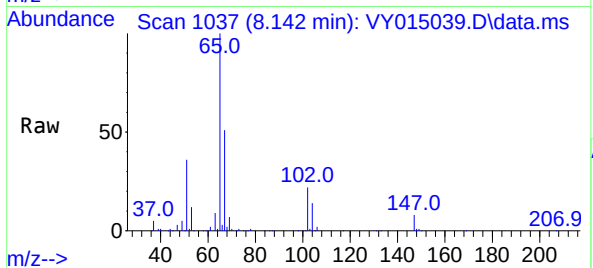
ClientSampleId :

Tgt Ion: 65 Resp: 139155

Ion Ratio Lower Upper

65 100

67 51.3 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: VY015039.D

Acq: 10 Aug 2023 19:47

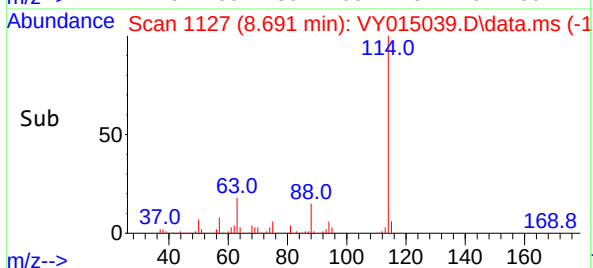
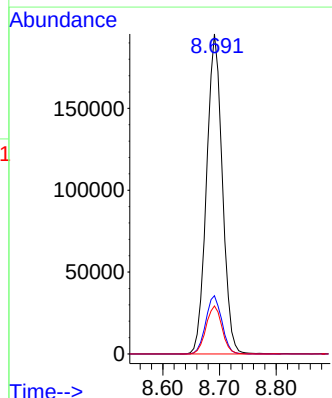
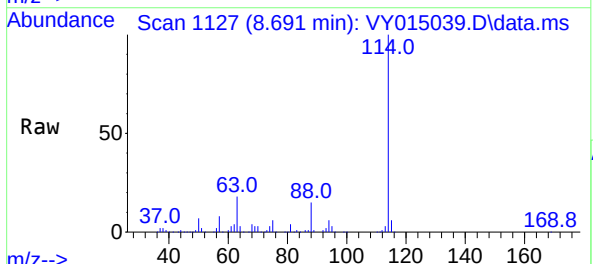
Tgt Ion: 114 Resp: 377884

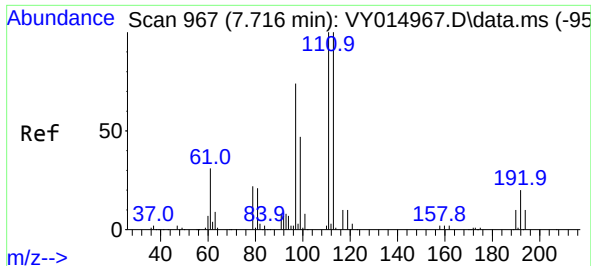
Ion Ratio Lower Upper

114 100

63 18.2 0.0 42.4

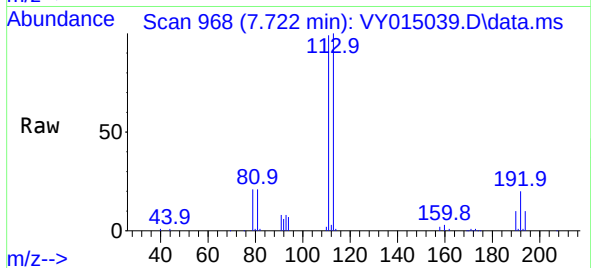
88 15.0 0.0 30.6





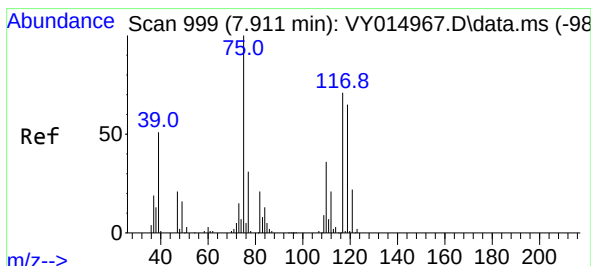
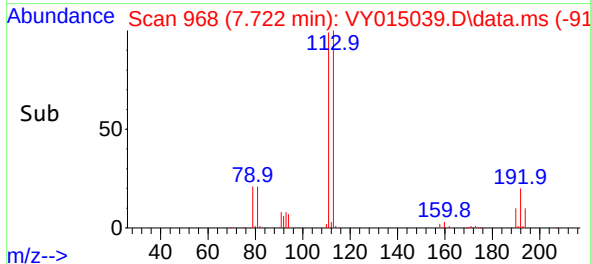
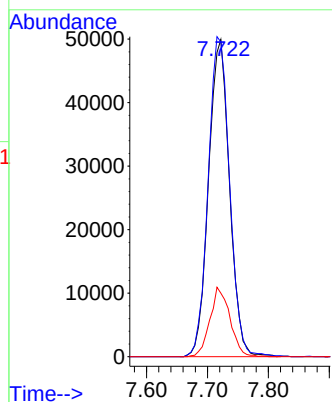
#35
Dibromofluoromethane
Concen: 49.353 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:113 Resp: 119262

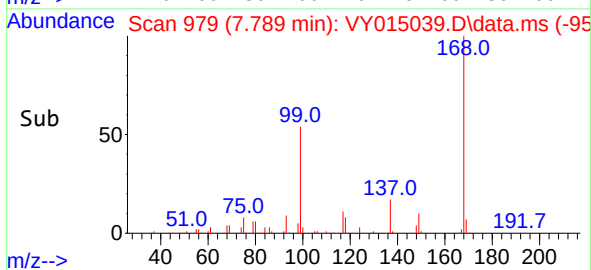
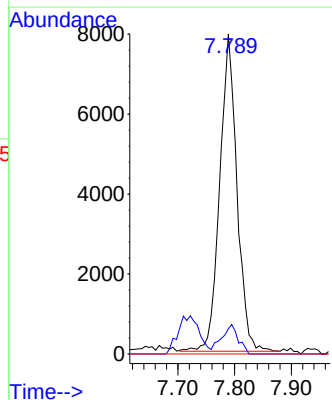
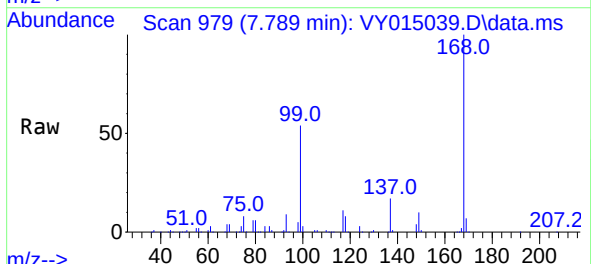
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.3	121.9
192	20.9	16.9	25.3

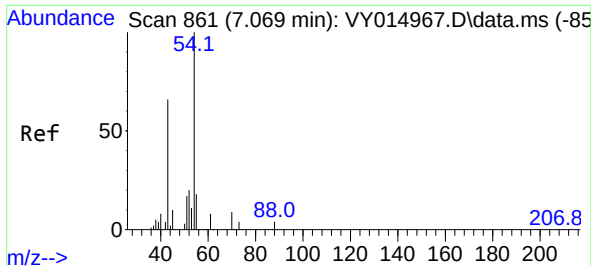


#36
1,1-Dichloropropene
Concen: 5.571 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47

Tgt Ion: 75 Resp: 16713

Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.8	53.5#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 1.579 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.085 min

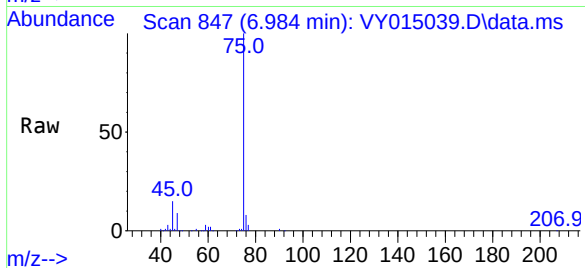
Lab File: VY015039.D

Acq: 10 Aug 2023 19:47

Instrument :

MSVOA_Y

ClientSampleId :



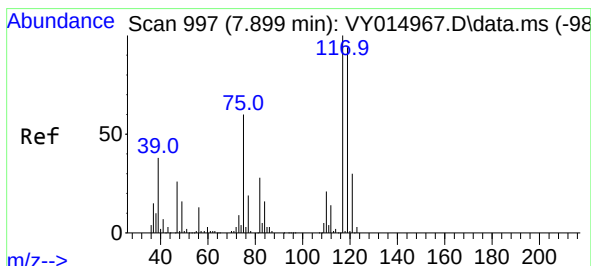
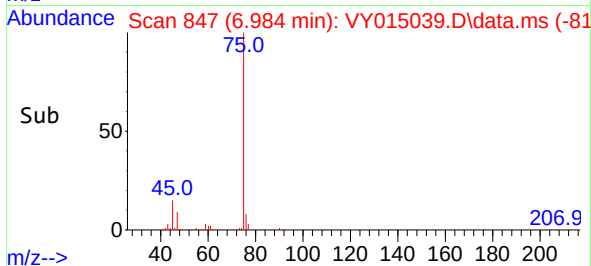
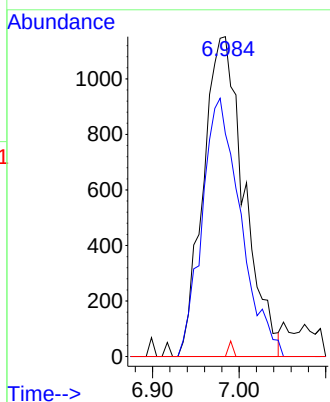
Tgt Ion: 43 Resp: 3761

Ion Ratio Lower Upper

43 100

61 76.4 10.1 15.1#

70 0.5 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.432 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015039.D

Acq: 10 Aug 2023 19:47

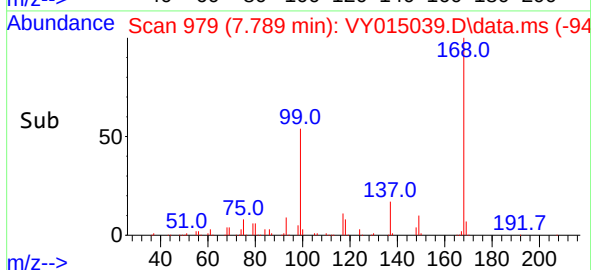
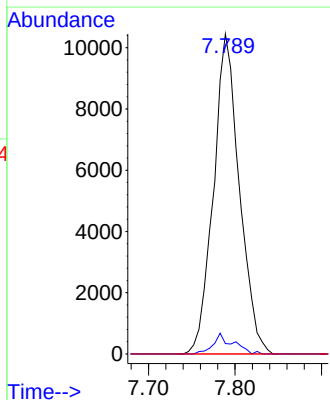
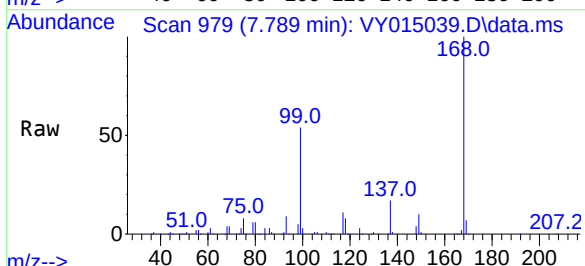
Tgt Ion: 117 Resp: 21694

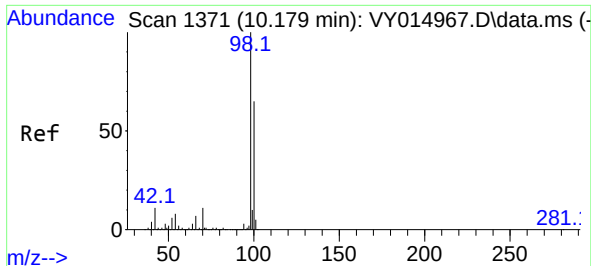
Ion Ratio Lower Upper

117 100

119 3.3 76.4 114.6#

121 0.0 25.8 38.6#

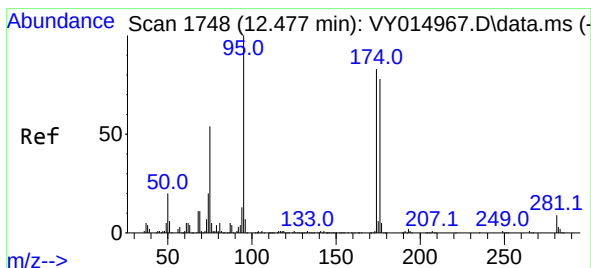
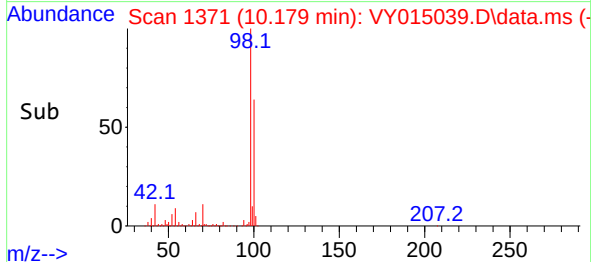
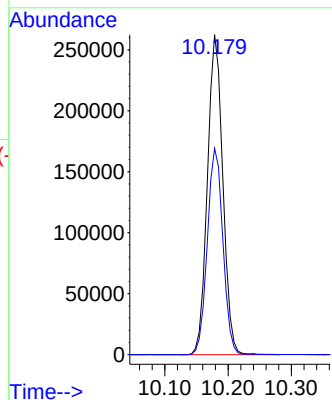
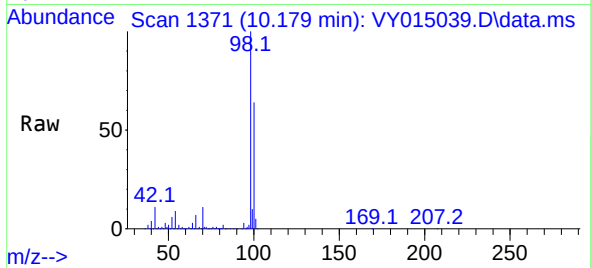




#50
Toluene-d8
Concen: 48.316 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47

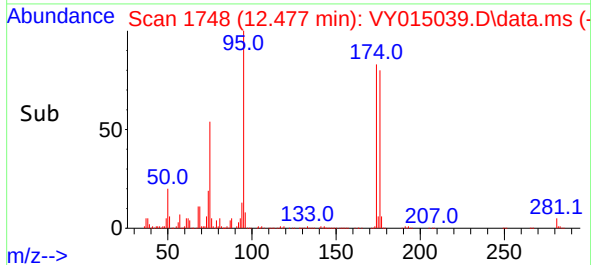
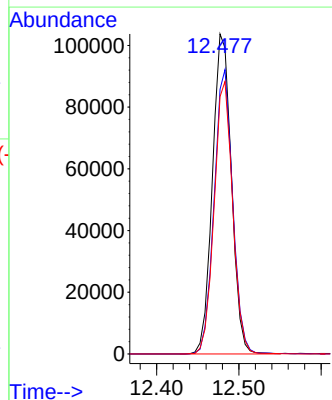
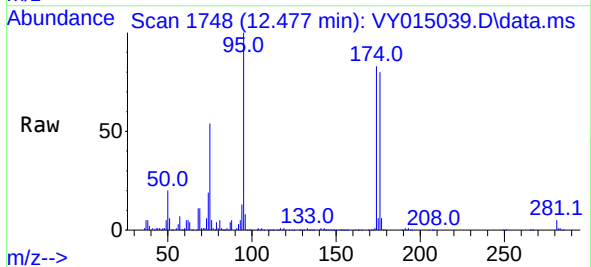
Instrument :
MSVOA_Y
ClientSampleId :

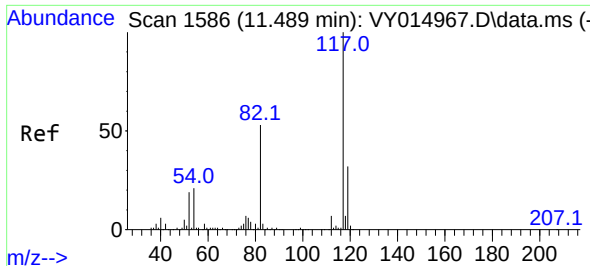
Tgt Ion: 98 Resp: 444394
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.940 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47

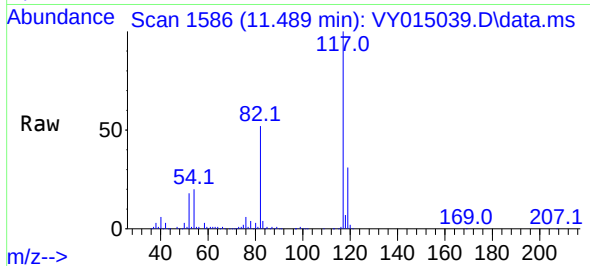
Tgt Ion: 95 Resp: 166056
Ion Ratio Lower Upper
95 100
174 87.0 0.0 178.2
176 83.4 0.0 173.8



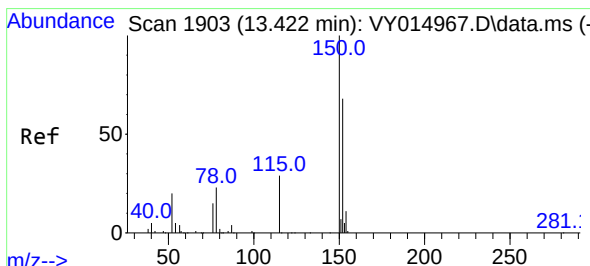
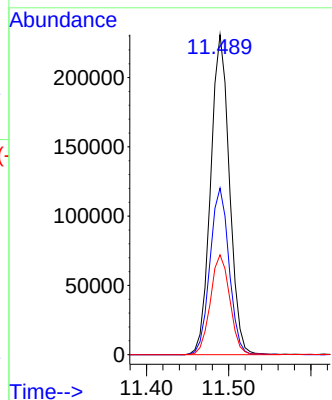
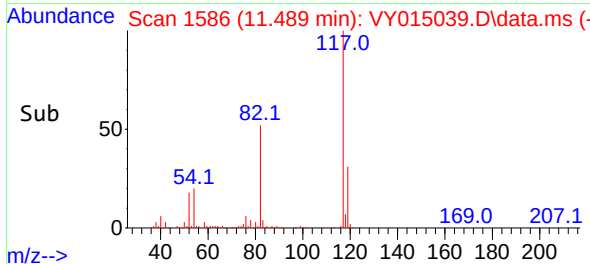


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47

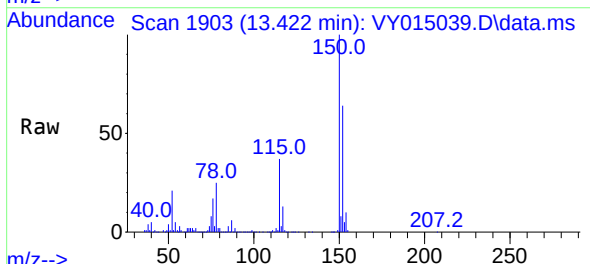
Instrument :
MSVOA_Y
ClientSampleId :



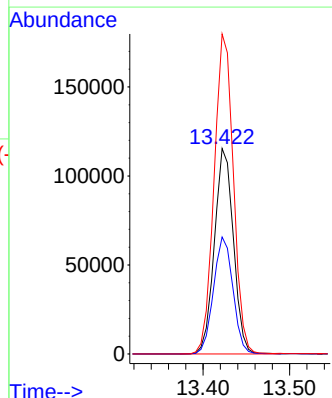
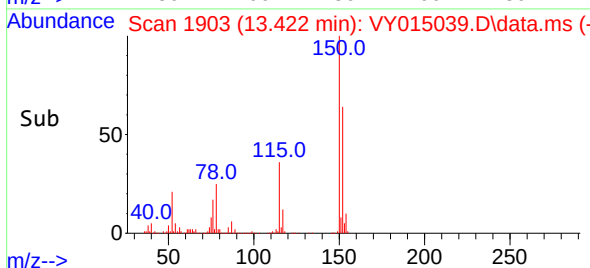
Tgt Ion:117 Resp: 365917
Ion Ratio Lower Upper
117 100
82 52.1 43.4 65.0
119 31.2 26.3 39.5

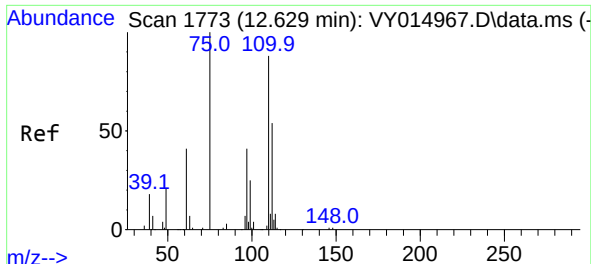


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47



Tgt Ion:152 Resp: 176099
Ion Ratio Lower Upper
152 100
115 58.1 28.8 86.5
150 158.0 0.0 348.8

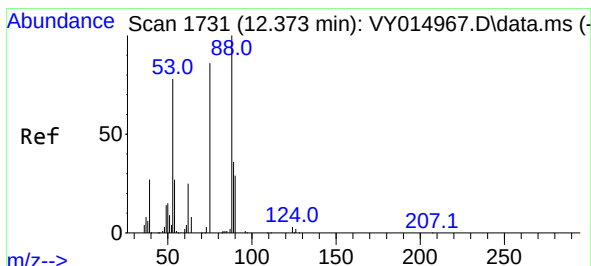
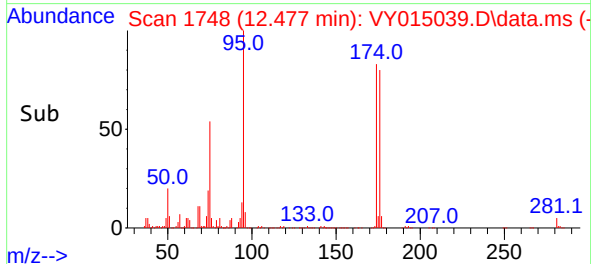
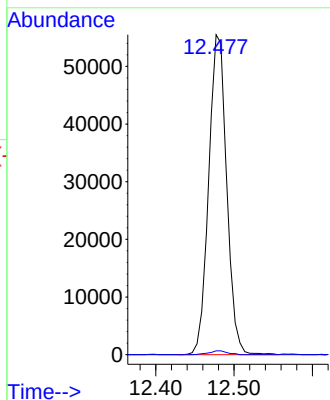
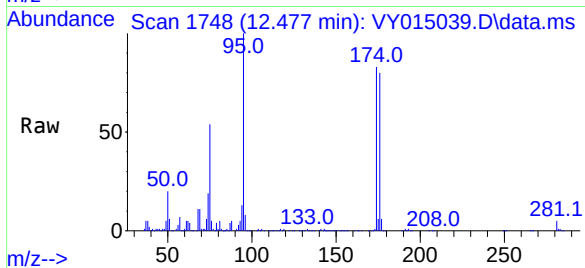




#76
1,2,3-Trichloropropane
Concen: 41.898 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47

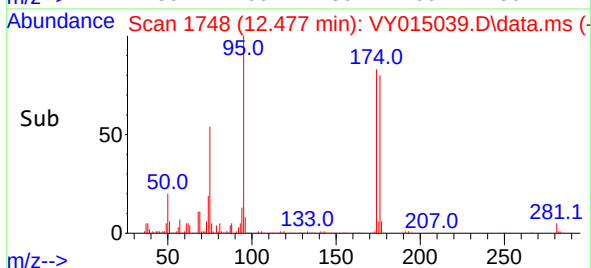
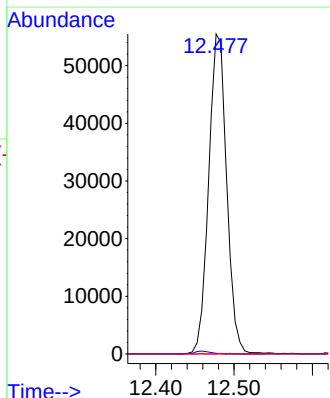
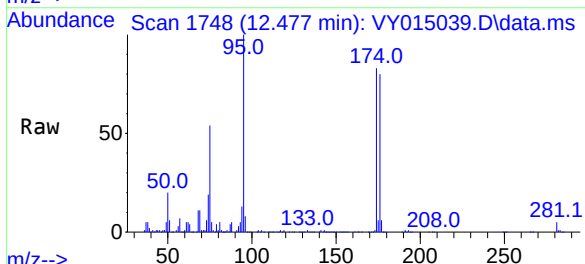
Instrument :
MSVOA_Y
ClientSampleId :

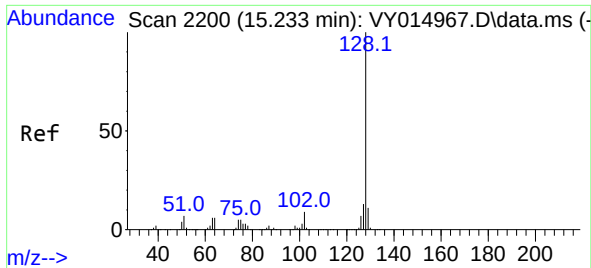
Tgt Ion: 75 Resp: 88409
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.303 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47

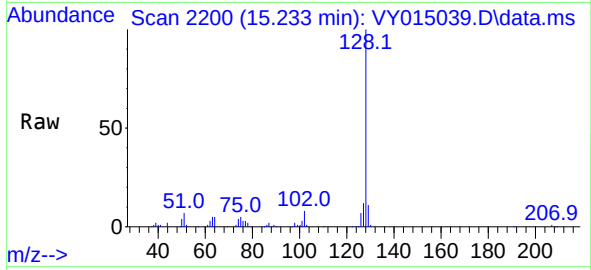
Tgt Ion: 75 Resp: 88409
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#





#95
Naphthalene
Concen: 6.794 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY015039.D
Acq: 10 Aug 2023 19:47

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 53060

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	11.3	8.6	13.0

